## **STS Adult Cardiac Database Data Specifications**

## Version 2.73

## This document current as of: 1/14/2011 9:10:43 AM

*Note:* - ALL fields defined in these specifications with "Core: Yes" are to be collected by all sites.

- A Data Collection Form must be created for each admission to the hospital.

- Fields indicated with a gray background are no longer being collected.

STS Adult Cardiac Database	Version: 2.73
Long Name: Software Vendor Identifier	SeqNo: 10
Short Name: VendorID	Core: Yes
Section Name: Administrative	Harvest: Yes
DBTableName AdultData	
	n to identify software vendor (up to 8 characters). Vendors should use cross sites. Changes to Vendor Name Identification must be approved
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name:	Format: Text
ParentShortName:	DataLength:
ParentValue:	Data Source: Automatic
Long Name: Software Version	SeqNo: 20
Short Name: SoftVrsn	Core: Yes
Section Name: Administrative	Harvest: Yes
DBTableName AdultData	
<i>v</i> 1	ne and version number identifying the software which created this alue in this field. Version passing certification/harvest testing will be
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name:	Format: Text
ParentShortName:	DataLength:
ParentValue:	Data Source: Automatic

STS Adult Cardiac Database	Version: 2.73
Long Name: STS Data Version	SeqNo: 30
Short Name: DataVrsn	Core: Yes
Section Name: Administrative	Harvest: Yes
DBTableName AdultData	
	ta Specifications/Dictionary, to which each record conforms. It will ve data, and what are the valid data for each field. This must be ically by the software.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No
	ModelField: No PQRIField: No
Parent Long Name:	Format: Text
ParentShortName:	DataLength:
ParentValue:	Data Source: Automatic
Long Name:On-Demand Files Version NShort Name:OnDemandVrsnSection Name:Administrative	umber SeqNo: 31 Core: Yes Harvest: Yes
DBTableName AdultData	
	Demand lists in use at the time this data record was created or to the record at the time the record is created or is modified by the l be specified by the STS.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: NQFField:
	ModelField: PQRIField:
Parent Long Name:	Format: Text
Parent Long Name: ParentShortName:	Format: Text DataLength:

STS Adult Cardiac Database		Version	: 2.73
Long Name:	Participant ID	SeqNo:	40
Short Name:	ParticID	Core:	Yes
Section Name.	Administrative	Harvest:	Yes

*Definition:* Participant ID is a unique number assigned to each database participant by the STS. A database participant is defined as one entity that signs a Participation Agreement with the STS, submits one data file to the harvest, and gets back one report on their data. The participant ID must be entered into each record.

Each participant's data if submitted to harvest must be in one data file. If one participant keeps their data in more than one file (e.g. at two sites), then the participant must combine them back into one file for harvest submission.

If two or more participants share a single purchased software, and enter cases into one database, then the data must be extracted into two different files, one for each participant ID, with each record having the correct participant ID number.

LowValue:	10000	UsualRangeLow:	ACCField:	Not mag	pped	
HighValue:	39999	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
			ModelField:	No	PQRIField:	No
Parent Long	Name:		Format:	Text -	Length exactl	у 5
ParentShortl	Name:		DataLength:			
ParentValue	:		Data Source:	User of	r Automatic	

Long Name:	Record ID	SeqNo:	50
Short Name:	RecordID	Core:	Yes
Section Name	Administrative	Harvest:	Yes

DBTableName AdultData

*Definition:* An arbitrary, unique value generated by the software that permanently identifies each record in the participant's database (note that unlike the PatID value, this does not identify the individual patient). The value of the identifier is a combination of a code assigned to the software developer by the STS, and a value generated by the software to create a unique value. Once assigned to a record, this value can never be changed or reused. The data warehouse will use this value to communicate issues about individual records with the participant. It may also be used by the data warehouse to link this record to other clinical data.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped	
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name:		Format:	Text		
ParentShortName:		DataLength:			
ParentValue:		Data Source.	Auton	natic	

STS Adult Cardiac Database	Version: 2.73
Long Name: Cost Link	SeqNo: 60
Short Name: CostLink	Core: Yes
Section Name: Administrative	Harvest: Optional

*Definition:* A participant specified alpha-numeric code that can be used to link this record's clinical data with the participant's cost information for this patient admission. This information may be used in the future to perform procedure cost analysis (for which the actual cost data would have to be harvested separately). The value in this field must not be the patient's Medical Record Number, Social Security Number or any other patient identifying value.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped	
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name:		Format:	Text		
ParentShortName:		DataLength:			
ParentValue:		Data Source.	User		

Long Name: STS T	rial Link Number					SeqNo:	70
Short Name: STST	Link					Core:	No
Section Name: Admir	nistrative				1	Harvest:	No
DBTableName Adult	Data						
the surgi Enter the time of t	e number 1 (one) for a patient l cal procedure. e number 9 (nine) for a patient he surgical procedure. ank if it is not known whether	known NOT t	o be in a	an IRB-approv	ved clin	ical trial at t	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va ied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source.	User				
Harvest Codes:							
Code:	Value:						
1	Patient known to be in an IRB-approved clinical trial						
9	Patient known not to be in an IRB-approved clinical trial	n					

STS Adult Cardiac Data	ibase Versi	on: 2.73
Long Name: Patient	ID SeqNo:	80
Short Name: PatID	Core:	Yes
Section Name: Admini	strative Harvest:	Yes

*Definition:* An arbitrary value (not a recognizable ID like Social Security Number or Medical Record Number) that uniquely and permanently identifies each patient. The value of the identifier is a combination of a code assigned to the software developer by the STS, and a value generated by the software to create a unique value. Once assigned to a patient, this can never be changed or reused. If a patient is admitted to the hospital more than once, each record for that patient will have the same value in this field.

LowValue:	UsualRangeLow:	ACCField:	Mappe	d - Definition	and coding
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name:		Format:	Text		
ParentShortName:		DataLength:			
ParentValue:		Data Source	: Auton	natic	

Long Name:	Patient Last Name		SeqNo: 90
Short Name:	PatLName		Core: Yes
Section Name:	Demographics		Harvest: Optional
DBTableName	AdultData		
<sup>b</sup>	dicate the patient's last name doc mpliance with state/local privacy	umented in the medical record. This fiel v laws.	ld should be collected in
LowValue:	UsualRangeLow:	ACCField: Mapped - Definition	and coding
HighValue:	UsualRangeHigh:	ReportField: No NQFField:	No
		ModelField: No PQRIField:	No
Parent Long Na	ime:	Format: Text	
ParentShortNar	ne:	DataLength:	
ParentValue:		Data Source: User	

Long Name: Pa	tient First Name				SeqNo:	100
0	atFName				Core:	Ye
Section Name: De	emographics				Harvest:	Optiona
DBTableName A	dultData					
	cate the patient's first name do pliance with state/local privac		edical re	ecord. This fiel	d should be col	lected in
LowValue:	UsualRangeLow:	ACCField:	Mappe	ed - Definition	and coding	
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Nam	e:	Format:	Text			
ParentShortName	:	DataLength:				
ParentValue:		Data Source:	User			
0	ntient M.I. At <b>MInit</b>				SeqNo: Core:	110 No
Short Name: Pa	atMInit				Core:	No
Section Name: De	emographics				Harvest:	No
DBTableName A	dultData					
Leav	cate the patient's middle initial ve "blank" if no middle name. acy laws.				nce with state/le	ocal
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Nam	е:	Format:	Text -	- Length exactly	y 1	
	:	DataLength:				
ParentShortName						

STS Adult Cardiac						sion: 2.73
0	tient Middle Name				SeqNo:	120
	tMName				Core.	
Section Name: De					Harvest:	Optional
DBTableName A	dultData					
Leav	eate the patient's middle name e "blank" if no middle name. cy laws.				ance with state/le	ocal
LowValue:	UsualRangeLow:	ACCField:	Mappe	ed - Definition	and coding	
HighValue:	UsualRangeHigh:	ReportField:		NQFField:		
		ModelField:		PQRIField:		
Parent Long Name	e:	Format:	Text			
ParentShortName	:	DataLength:				
ParentValue:		Data Source:	User			
Long Name: Da	ate of Birth				SeqNo:	130
0	OB				Core:	
Section Name: De					Harvest:	Optional
DBTableName A	•					1
	ate the patient's date of birth pliance with state/local privac		t for yea	ar. This field s	should be collect	ted in
LowValue:	UsualRangeLow:	ACCField:	Mappe	ed - Definition	and coding	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name	2:	Format:	Date 1	mm/dd/yyyy		
ParentShortName	:	DataLength:				
ParentValue:		Data Source:	User			

STS Adult C	ardiac Da	tabase					Versio	on: 2.73
Long Name:	Patier	nt Age					SeqNo:	140
Short Name.	: Age						Core:	Yes
Section Nan	<i>ie:</i> Demo	graphics					Harvest:	Yes
DBTableNa	me Adul	tData						
Definition:	birth and annivers	the patient's age in ye d the date of surgery, saries reached by the database, but will not	accordir date of s	ng to the conven urgery). If age i	tion use is less t	ed in the USA (t han 18, the data	he number of bir record will be ac	thdate
LowValue:	18	UsualRangeLow:	18	ACCField:	Not m	apped		
HighValue:	110	UsualRangeHigh:	100	ReportField:	Yes	NQFField:	No	
				ModelField:	Yes	PQRIField:	Yes	
Parent Long	g Name:			Format:	Integ	er		
ParentShort	Name:			DataLength:				
ParentValue	e:			Data Source:	Calcu	lated		
Short Name. Section Nan DBTableNa	<i>ie:</i> Demo	graphics					Core: Harvest:	Yes Yes
		the patient's sex at bi	rth as eit	ther male or fem	nale.			
LowValue:		UsualRangeLow:		ACCField:		ed - Definition a	und coding	
HighValue:		UsualRangeHigh:		ReportField:		NQFField:	•	
				ModelField:	Yes	PQRIField:	No	
Parent Long	g Name:			Format:		(categorical valu fied by STS)	ies	
ParentShort	Name:			DataLength:				
ParentValue	e:			Data Source:	User			
Harve	est Codes	:						
	Code	: Value:						
	1	Male						
	2	Female						

STS Adult Cardiac Database	Version: 2.73
Long Name: Social Security #	SeqNo: 160
Short Name: SSN	Core: Yes
Section Name: Demographics	Harvest: Optional
DBTableName AdultData	
Number in the USA, other countrie	ial Security Number (SSN). Although this is the Social Security s may have a different National Patient Identifier Number. For he Social Insurance Number. This field should be collected in laws.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name:	Format: Text
ParentShortName:	DataLength:
ParentValue:	Data Source: User
Long Name: Medical Record Number	<i>SeqNo:</i> 170
Short Name: MedRecN	Core: Yes
Section Name: Demographics	Harvest: Optional
DBTableName AdultData	
<i>Definition:</i> Indicate the patient's medical record should be collected in compliance with the patient of the p	I number at the hospital where surgery occurred. This field vith state/local privacy laws.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name:	Format: Text
ParentShortName:	DataLength:

STS Adult Cardiac	Database		Version: 2.73
Long Name: Pat	tient's Street Address		SeqNo: 180
Short Name: Par	tAddr		Core: Yes
Section Name: De	mographics		Harvest: Optional
DBTableName Ac	lultData		
Definition: Indic	ate the street address at which	n the patient resides at time of admissi	ion.
This	field should be collected in co	ompliance with state/local privacy law	vs.
LowValue:	UsualRangeLow:	ACCField: Not mapped	
HighValue:	UsualRangeHigh:	ReportField: NQFFiel	d:
		ModelField: PQRIFie	ld:
Parent Long Name	::	Format: Text	
ParentShortName:		DataLength:	
ParentValue:		Data Source: User	
Short Name: Pa	tient's City <b>tCity</b>		SeqNo: 190 Core: Yes
Section Name: De	mographics		Harvest: Optional
DBTableName Ac	lultData		
Definition: Indica	ate the city in which the patie	nt resides at time of admission.	
This	field should be collected in co	ompliance with state/local privacy law	VS.
LowValue:	UsualRangeLow:	ACCField: Not mapped	
HighValue:	UsualRangeHigh:	ReportField: NQFFiel	d:
		ModelField: PQRIFie	ld:
Parent Long Name	::	Format: Text	
ParentShortName:		DataLength:	
ParentValue:		Data Source: User	

STS Adult Cardiad	: Database				Ve	rsion: 2.73
Long Name: Pa	atient's Region				SeqNo:	200
Short Name: Pa	atRegion				Core	: Yes
Section Name: De	emographics				Harvest:	Yes
DBTableName A	dultData					
	cate the region of the country ission.	(i.e., state or provin	ce) in w	which the patie	ent resides at tim	e of
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	UsualRangeHigh:	ReportField:		NQFField:		
		ModelField:		PQRIField:		
Parent Long Nam	e:	Format:	Text			
ParentShortName	:	DataLength:				
ParentValue:		Data Source:	User			
Long Name: Pa	atient's ZIP Code				SeqNo:	210
Short Name: Pa	atZIP				Core	: Yes
Section Name: De	emographics				Harvest:	Optiona
DBTableName A	dultData					
othe	cate the ZIP Code of the patient r names such as Postal Code ( up to 10 characters to allow f	needing 6 character				
This	field should be collected in co	ompliance with state	e/local j	privacy laws.		
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Nam	e:	Format:	Text			
		DataLength:				
ParentShortName	•	Banazengini				

STS Adult Car	diac Database	Version: 2.73
Long Name:	Patient's Country	SeqNo: 220
Short Name:	PatCountry	Core: Yes
Section Name:	Demographics	Harvest: Optional

*Definition:* Indicate the patient's country of residence at time of admission.

List of countries provided by the United Nations, which is the following URL: United Nations Statistics Division, 15 April 2009 (http://unstats.un.org/unsd/methods/m49/m49alpha.htm)

This field should be collected in compliance with state/local privacy laws.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User

Harvest Codes:

Code: Value:

- 1 AFGHANISTAN
- 2 ÅLAND ISLAND
- 3 ALBANIA
- 4 ALGERIA
- 5 AMERICAN SAMOA
- 6 ANDORRA
- 7 ANGOLA
- 8 ANGUILLA
- 9 ANTARCTICA
- 10 ANTIGUA AND BARBUDA
- 11 ARGENTINA
- 12 ARMENIA
- 13 ARUBA
- 14 AUSTRALIA
- 15 AUSTRIA
- 16 AZERBAIJAN
- 17 BAHAMAS
- 18 BAHRAIN
- 19 BANGLADESH

- 20 BARBADOS
- 21 BELARUS
- 22 BELGIUM
- 23 BELIZE
- 24 BENIN
- 25 BERMUDA
- 26 BHUTAN
- 27 BOLIVIA (PLURINATIONAL STATE OF)
- 28 BOSNIA AND HERZEGOVINA
- 29 BOTSWANA
- 30 BOUVET ISLAND
- 31 BRAZIL
- 32 BRITISH INDIAN OCEAN TERRITORY
- 33 BRITISH VIRGIN ISLANDS
- 34 BRUNEI DARUSSALAM
- 35 BULGARIA
- 36 BURKINA FASO
- 37 BURUNDI
- 38 CAMBODIA
- 39 CAMEROON
- 40 CANADA
- 41 CAPE VERDE
- 42 CAYMAN ISLANDS
- 43 CENTRAL AFRICAN REPUBLIC
- 44 CHAD
- 45 CHILE
- 46 CHINA
- 47 CHRISTMAS ISLAND
- 48 COCOS (KEELING) ISLANDS
- 49 COLOMBIA
- 50 COMOROS
- 51 CONGO
- 52 COOK ISLANDS
- 53 COSTA RICA

- 54 CÔTE D'IVOIRE
- 55 CROATIA
- 56 CUBA
- 57 CYPRUS
- 58 CZECH REPUBLIC
- 59 DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA
- 60 DEMOCRATIC REPUBLIC OF THE CONGO
- 61 DENMARK
- 62 DJIBOUTI
- 63 DOMINICA
- 64 DOMINICAN REPUBLIC
- 65 EAST TIMOR
- 66 ECUADOR
- 67 EGYPT
- 68 EL SALVADOR
- 69 EQUATORIAL GUINEA
- 70 ERITREA
- 71 ESTONIA
- 72 ETHIOPIA
- 73 FAEROE ISLANDS
- 74 FALKLAND ISLANDS (MALVINAS)
- 75 FIJI
- 76 FINLAND
- 77 FRANCE
- 78 FRANCE, METROPOLITAN
- 79 FRENCH GUIANA
- 80 FRENCH POLYNESIA
- 81 FRENCH SOUTHERN TERRITORIES
- 82 GABON
- 83 GAMBIA
- 84 GEORGIA
- 85 GERMANY
- 86 GHANA
- 87 GIBRALTAR
- 88 GREECE

- 89 GREENLAND
- 90 GRENADA
- 91 GUADELOUPE
- 92 GUAM
- 93 GUATEMALA
- 94 GUERNSE
- 95 GUINEA
- 96 GUINEA-BISSAU
- 97 GUYANA
- 98 HAITI
- 99 HEARD AND MC DONALD ISLANDS
- 100 HOLY SEE
- 101 HONDURAS
- 102 HONG KONG SPECIAL ADMINISTRATIVE REGION OF CHINA
- 103 HUNGARY
- 104 ICELAND
- 105 INDIA
- 106 INDONESIA
- 107 IRAN (ISLAMIC REPUBLIC OF)
- 108 IRAQ
- 109 IRELAND
- 110 ISLE OF MAN
- 111 ISRAEL
- 112 ITALY
- 113 JAMAICA
- 114 JAPAN
- 115 JERSEY
- 116 JORDAN
- 117 KAZAKHSTAN
- 118 KENYA
- 119 KIRIBATI
- 120 KUWAIT
- 121 KYRGYZSTAN
- 122 LAO PEOPLE'S DEMOCRATIC REPUBLIC

- 123 LATVIA
- 124 LEBANON
- 125 LESOTHO
- 126 LIBERIA
- 127 LIBYAN ARAB JAMAHIRIYA
- 128 LIECHTENSTEIN
- 129 LITHUANIA
- 130 LUXEMBOURG
- 131 MACAO SPECIAL ADMINISTRATIVE REGION OF CHINA
- 132 MADAGASCAR
- 133 MALAWI
- 134 MALAYSIA
- 135 MALDIVES
- 136 MALI
- 137 MALTA
- 138 MARSHALL ISLANDS
- 139 MARTINIQUE
- 140 MAURITANIA
- 141 MAURITIUS
- 142 MAYOTTE
- 143 MEXICO
- 144 MICRONESIA (FEDERATED STATES OF)
- 145 MONACO
- 146 MONGOLIA
- 147 MONTENEGRO
- 148 MONTSERRAT
- 149 MOROCCO
- 150 MOZAMBIQUE
- 151 MYANMAR
- 152 NAMIBIA
- 153 NAURU
- 154 NEPAL
- 155 NETHERLANDS
- 156 NETHERLANDS ANTILLES
- 157 NEW CALEDONIA

- 158 NEW ZEALAND
- 159 NICARAGUA
- 160 NIGER
- 161 NIGERIA
- 162 NIUE
- 163 NORFOLK ISLAND
- 164 NORTHERN MARIANA ISLANDS
- 165 NORWAY
- 166 OCCUPIED PALESTINIAN TERRITORY
- 167 OMAN
- 168 PAKISTAN
- 169 PALAU
- 170 PANAMA
- 171 PAPUA NEW GUINEA
- 172 PARAGUAY
- 173 PERU
- 174 PHILIPPINES
- 175 PITCAIRN
- 176 POLAND
- 177 PORTUGAL
- 178 PUERTO RICO
- 179 QATAR
- 180 REPUBLIC OF KOREA
- 181 REPUBLIC OF MOLDOVA
- 182 RÉUNION
- 183 ROMANIA
- 184 RUSSIAN FEDERATION
- 185 RWANDA
- 186 SAINT HELENA
- 187 SAINT KITTS AND NEVIS
- 188 SAINT LUCIA
- 189 SAINT PIERRE AND MIQUELON
- 190 SAINT VINCENT AND THE GRENADINES
- 191 SAINT-BARTHÉLEM
- 192 SAINT-MARTIN (FRENCH

- PART)
- 193 SAMOA
- 194 SAN MARINO
- 195 SAO TOME AND PRINCIPE
- 196 SAUDI ARABIA
- 197 SENEGAL
- 198 SERBIA
- 199 SEYCHELLES
- 200 SIERRA LEONE
- 201 SINGAPORE
- 202 SLOVAKIA
- 203 SLOVENIA
- 204 SOLOMON ISLANDS
- 205 SOMALIA
- 206 SOUTH AFRICA
- 207 SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS
- 208 SPAIN
- 209 SRI LANKA
- 210 SUDAN
- 211 SURINAME
- 212 SVALBARD AND JAN MAYEN ISLANDS
- 213 SWAZILAND
- 214 SWEDEN
- 215 SWITZERLAND
- 216 SYRIAN ARAB REPUBLIC
- 217 TAIWAN, PROVINCE OF CHINA
- 218 TAJIKISTAN
- 219 THAILAND
- 220 THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
- 221 TIMOR-LEST
- 222 TOGO
- 223 TOKELAU
- 224 TONGA
- 225 TRINIDAD AND TOBAGO

- 226 TUNISIA
- 227 TURKEY
- 228 TURKMENISTAN
- 229 TURKS AND CAICOS ISLANDS
- 230 TUVALU
- 231 UGANDA
- 232 UKRAINE
- 233 UNITED ARAB EMIRATES
- 234 UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
- 235 UNITED REPUBLIC OF TANZANIA
- 236 UNITED STATES MINOR OUTLYING ISLANDS
- 237 UNITED STATES OF AMERICA
- 238 UNITED STATES VIRGIN ISLANDS
- 239 URUGUAY
- 240 UZBEKISTAN
- 241 VANUATU
- 242 VENEZUELA (BOLIVARIAN REPUBLIC OF)
- 243 VIET NAM
- 244 WALLIS AND FUTUNA ISLANDS
- 245 WESTERN SAHARA
- 246 YEMEN
- 247 YUGOSLAVIA
- 248 ZAIRE
- 249 ZAMBIA
- 250 ZIMBABWE
- 999 OTHER

Long Name: Permanent Address			SeqNo:	230
Short Name: PermAddr			Core:	
Section Name: Demographics			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the patie	nt considers the given addr	ess to be their permanent a	ddress.	
LowValue: UsualRangeLo	v: ACCField:	Not mapped		
HighValue: UsualRangeHi	h: ReportField:			
	ModelField:	PQRIField:		
Parent Long Name:	Format:	Text (categorical values specified by STS)		
ParentShortName:	DataLength:			
ParentValue:	Data Source	: User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Patient's Permanent Str	et Address		SeqNo:	240
Short Name: PatPermAddr			Core:	Yes
Section Name: Demographics			Harvest:	Optional
DBTableName AdultData				
Definition: Indicate the street address	at which the patient perma	nently resides at time of ac	lmission.	
This field should be colled	ted in compliance with stat	te/local privacy laws.		
LowValue: UsualRangeLo	v: ACCField:	Not mapped		
HighValue: UsualRangeHig	h: ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Permanent Addre	s Format:	Text		
ParentShortName: PermAddr	DataLength:			
<i>ParentValue:</i> = "No"	Data Source	: User		

STS Adult Cardiac Database		V	ersion: 2.73
Long Name: Patient's Permanent Address	City	SeqN	<i>o:</i> 250
Short Name: PatPermCity		Со	re: Yes
Section Name: Demographics		Harves	t: Optional
DBTableName AdultData			
Definition: Indicate the city in which the pa	tient permanently resides	at time of admission.	
This field should be collected ir	a compliance with state/loc	al privacy laws.	
LowValue: UsualRangeLow:	ACCField: Not	t mapped	
HighValue: UsualRangeHigh:	ReportField:	NQFField:	
	ModelField:	PQRIField:	
Parent Long Name: Permanent Address	Format: Te	xt	
ParentShortName: PermAddr	DataLength:		
<i>ParentValue:</i> = "No"	Data Source: Us	er	
Long Name: Patient's Permanent Address	Region	SeqN	<i>p</i> : 260
Short Name: PatPermRegion	8	Co	
Section Name: Demographics		Harves	t: Yes
DBTableName AdultData			
<i>Definition:</i> Indicate the region of the country time of admission.	ry (i.e., state or province) i	n which the patient permanentl	y resides at
LowValue: UsualRangeLow:	ACCField: Not	tmapped	
HighValue: UsualRangeHigh:	ReportField:	NQFField:	
	ModelField:	PQRIField:	
Parent Long Name: Permanent Address	Format: Te	xt	
ParentShortName: PermAddr	DataLength:		
<i>ParentValue:</i> = "No"	Data Source: Us		

STS Adult Car	diac Database	Version: 2.73	
Long Name:	Patient's Permanent Address ZIP Code	<i>SeqNo:</i> 270	
Short Name:	PatPermZIP	Core: Yes	
Section Name	· Demographics	Harvest: Optional	

*Definition:* Indicate the ZIP Code of the patient's permanent residence. Outside the USA, this data may be known by other names such as Postal Code (needing 6 characters). Software should allow sites to collect at least up to 10 characters to allow for Zip+4 values.

This field should be collected in compliance with state/local privacy laws.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name	Permanent Address	<b>F</b> (-	<b>Τ</b>
I ureni Long Ivame.	r ermanent 7 kdaress	Format:	Text
ParentShortName:		Format: DataLength:	Text

Long Name: Patient's Permanent Address Coun	try		SeqNo:	280
Short Name: PatPermCountry			Core:	Yes
Section Name: Demographics			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the patient's country of perm	anent residence	at time of admission.		
List of countries provided by the Uni United Nations Statistics Division, 1 (http://unstats.un.org/unsd/methods/r	5 April 2009	C		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Permanent Address	Format:	Text (categorical values specified by STS)		
ParentShortName: PermAddr	DataLength:			
<i>ParentValue:</i> = "No"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 AFGHANISTAN				
2 ÅLAND ISLAND				

- 3 ALBANIA
- 4 ALGERIA
- 5 AMERICAN SAMOA

- 6 ANDORRA
- 7 ANGOLA
- 8 ANGUILLA
- 9 ANTARCTICA
- 10 ANTIGUA AND BARBUDA
- 11 ARGENTINA
- 12 ARMENIA
- 13 ARUBA
- 14 AUSTRALIA
- 15 AUSTRIA
- 16 AZERBAIJAN
- 17 BAHAMAS
- 18 BAHRAIN
- 19 BANGLADESH
- 20 BARBADOS
- 21 BELARUS
- 22 BELGIUM
- 23 BELIZE
- 24 BENIN
- 25 BERMUDA
- 26 BHUTAN
- 27 BOLIVIA (PLURINATIONAL STATE OF)
- 28 BOSNIA AND HERZEGOVINA
- 29 BOTSWANA
- 30 BOUVET ISLAND
- 31 BRAZIL
- 32 BRITISH INDIAN OCEAN TERRITORY
- 33 BRITISH VIRGIN ISLANDS
- 34 BRUNEI DARUSSALAM
- 35 BULGARIA
- 36 BURKINA FASO
- 37 BURUNDI
- 38 CAMBODIA
- 39 CAMEROON
- 40 CANADA

- 41 CAPE VERDE
- 42 CAYMAN ISLANDS
- 43 CENTRAL AFRICAN REPUBLIC
- 44 CHAD
- 45 CHILE
- 46 CHINA
- 47 CHRISTMAS ISLAND
- 48 COCOS (KEELING) ISLANDS
- 49 COLOMBIA
- 50 COMOROS
- 51 CONGO
- 52 COOK ISLANDS
- 53 COSTA RICA
- 54 CÔTE D'IVOIRE
- 55 CROATIA
- 56 CUBA
- 57 CYPRUS
- 58 CZECH REPUBLIC
- 59 DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA
- 60 DEMOCRATIC REPUBLIC OF THE CONGO
- 61 DENMARK
- 62 DJIBOUTI
- 63 DOMINICA
- 64 DOMINICAN REPUBLIC
- 65 EAST TIMOR
- 66 ECUADOR
- 67 EGYPT
- 68 EL SALVADOR
- 69 EQUATORIAL GUINEA
- 70 ERITREA
- 71 ESTONIA
- 72 ETHIOPIA
- 73 FAEROE ISLANDS
- 74 FALKLAND ISLANDS (MALVINAS)

- 75 FIJI
- 76 FINLAND
- 77 FRANCE
- 78 FRANCE, METROPOLITAN
- 79 FRENCH GUIANA
- 80 FRENCH POLYNESIA
- 81 FRENCH SOUTHERN TERRITORIES
- 82 GABON
- 83 GAMBIA
- 84 GEORGIA
- 85 GERMANY
- 86 GHANA
- 87 GIBRALTAR
- 88 GREECE
- 89 GREENLAND
- 90 GRENADA
- 91 GUADELOUPE
- 92 GUAM
- 93 GUATEMALA
- 94 GUERNSE
- 95 GUINEA
- 96 GUINEA-BISSAU
- 97 GUYANA
- 98 HAITI
- 99 HEARD AND MC DONALD ISLANDS
- 100 HOLY SEE
- 101 HONDURAS
- 102 HONG KONG SPECIAL ADMINISTRATIVE REGION OF CHINA
- 103 HUNGARY
- 104 ICELAND
- 105 INDIA
- 106 INDONESIA
- 107 IRAN (ISLAMIC REPUBLIC OF)
- 108 IRAQ

- 109 IRELAND
- 110 ISLE OF MAN
- 111 ISRAEL
- 112 ITALY
- 113 JAMAICA
- 114 JAPAN
- 115 JERSEY
- 116 JORDAN
- 117 KAZAKHSTAN
- 118 KENYA
- 119 KIRIBATI
- 120 KUWAIT
- 121 KYRGYZSTAN
- 122 LAO PEOPLE'S DEMOCRATIC REPUBLIC
- 123 LATVIA
- 124 LEBANON
- 125 LESOTHO
- 126 LIBERIA
- 127 LIBYAN ARAB JAMAHIRIYA
- 128 LIECHTENSTEIN
- 129 LITHUANIA
- 130 LUXEMBOURG
- 131 MACAO SPECIAL ADMINISTRATIVE REGION OF CHINA
- 132 MADAGASCAR
- 133 MALAWI
- 134 MALAYSIA
- 135 MALDIVES
- 136 MALI
- 137 MALTA
- 138 MARSHALL ISLANDS
- 139 MARTINIQUE
- 140 MAURITANIA
- 141 MAURITIUS
- 142 MAYOTTE
- 143 MEXICO

- 144 MICRONESIA (FEDERATED STATES OF)
- 145 MONACO
- 146 MONGOLIA
- 147 MONTENEGRO
- 148 MONTSERRAT
- 149 MOROCCO
- 150 MOZAMBIQUE
- 151 MYANMAR
- 152 NAMIBIA
- 153 NAURU
- 154 NEPAL
- 155 NETHERLANDS
- 156 NETHERLANDS ANTILLES
- 157 NEW CALEDONIA
- 158 NEW ZEALAND
- 159 NICARAGUA
- 160 NIGER
- 161 NIGERIA
- 162 NIUE
- 163 NORFOLK ISLAND
- 164 NORTHERN MARIANA ISLANDS
- 165 NORWAY
- 166 OCCUPIED PALESTINIAN TERRITORY
- 167 OMAN
- 168 PAKISTAN
- 169 PALAU
- 170 PANAMA
- 171 PAPUA NEW GUINEA
- 172 PARAGUAY
- 173 PERU
- 174 PHILIPPINES
- 175 PITCAIRN
- 176 POLAND
- 177 PORTUGAL
- 178 PUERTO RICO
- 179 QATAR

- 180 REPUBLIC OF KOREA
- 181 REPUBLIC OF MOLDOVA
- 182 RÉUNION
- 183 ROMANIA
- 184 RUSSIAN FEDERATION
- 185 RWANDA
- 186 SAINT HELENA
- 187 SAINT KITTS AND NEVIS
- 188 SAINT LUCIA
- 189 SAINT PIERRE AND MIQUELON
- 190 SAINT VINCENT AND THE GRENADINES
- 191 SAINT-BARTHÉLEM
- 192 SAINT-MARTIN (FRENCH PART)
- 193 SAMOA
- 194 SAN MARINO
- 195 SAO TOME AND PRINCIPE
- 196 SAUDI ARABIA
- 197 SENEGAL
- 198 SERBIA
- 199 SEYCHELLES
- 200 SIERRA LEONE
- 201 SINGAPORE
- 202 SLOVAKIA
- 203 SLOVENIA
- 204 SOLOMON ISLANDS
- 205 SOMALIA
- 206 SOUTH AFRICA
- 207 SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS
- 208 SPAIN
- 209 SRI LANKA
- 210 SUDAN
- 211 SURINAME
- 212 SVALBARD AND JAN MAYEN ISLANDS
- 213 SWAZILAND

- 214 SWEDEN
- 215 SWITZERLAND
- 216 SYRIAN ARAB REPUBLIC
- 217 TAIWAN, PROVINCE OF CHINA
- 218 TAJIKISTAN
- 219 THAILAND
- 220 THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
- 221 TIMOR-LEST
- 222 TOGO
- 223 TOKELAU
- 224 TONGA
- 225 TRINIDAD AND TOBAGO
- 226 TUNISIA
- 227 TURKEY
- 228 TURKMENISTAN
- 229 TURKS AND CAICOS ISLANDS
- 230 TUVALU
- 231 UGANDA
- 232 UKRAINE
- 233 UNITED ARAB EMIRATES
- 234 UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
- 235 UNITED REPUBLIC OF TANZANIA
- 236 UNITED STATES MINOR OUTLYING ISLANDS
- 237 UNITED STATES OF AMERICA
- 238 UNITED STATES VIRGIN ISLANDS
- 239 URUGUAY
- 240 UZBEKISTAN
- 241 VANUATU
- 242 VENEZUELA (BOLIVARIAN REPUBLIC OF)

243	VIET NAM
244	WALLIS AND FUTUNA ISLANDS
245	WESTERN SAHARA
246	YEMEN
247	YUGOSLAVIA
248	ZAIRE
249	ZAMBIA
250	ZIMBABWE
999	OTHER

Long Name:	Race - White	SeqNo:	290
Short Name:	RaceCaucasian	Core:	Yes
Section Name.	• Demographics	Harvest:	Yes

*Definition:* Indicate whether the patient's race, as determined by the patient or family, includes White. This includes a person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

Definition source: Standards for Maintaining, Collecting, and Presenting Federal Data on Race and Ethnicity : The minimum categories for data on race and ethnicity for Federal statistics, program administrative reporting, and civil rights compliance reporting. (www.whitehouse.gov/omb/fedreg/1997standards.html).

LowValue:	UsualRangeLow:	ACCField:	Mappe	d - Definition only
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No
		ModelField:	No	PQRIField: No
Parent Long Name:		Format:	`	categorical values ied by STS)
ParentShortName:		DataLength:		
ParentValue:		Data Source:	User	
Harvest Codes:				
Code:	Value:			
1	Yes			
2	No			

STS Adult Car	rdiac Data	base				Versio	on: 2.73
Long Name:	Race -	Black / African Americar	1			SeqNo:	300
Short Name:	RaceB	lack				Core:	Yes
Section Name	: Demog	raphics				Harvest:	Yes
DBTableNam	e AdultE	Data					
2 5 1 1 2 2	American such as "H Definitior Ethnicity administra	whether the patient's race, This includes a person Haitian" or "Negro" can b a source: Standards for M The minimum categorie ative reporting, and civil itehouse.gov/omb/fedreg	having origins in an e used in addition t faintaining, Collect es for data on race a rights compliance r	ny of the second	he black racial ck or African A nd Presenting F nicity for Fede	groups of Africa. 7 American." Federal Data on Rad	Ferms ce and
LowValue:		UsualRangeLow:	ACCField:	Mapp	ed - Definition	only	
HighValue:		UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
			ModelField:	Yes	PQRIField:	No	
Parent Long I	Name:		Format:		(categorical va fied by STS)	lues	
ParentShortN	'ame:		DataLength:				
ParentValue:			Data Source:	User			
Harves	t Codes:						
	Code:	Value:					
	1	Yes					
	2	No					

STS Adult Cardiad	c Data	abase				Versio	on: 2.73
Long Name: R	ace -	Asian				SeqNo:	310
Short Name: R	aceA	sian				Core:	Yes
Section Name: D	emog	raphics				Harvest:	Yes
DBTableName A	AdultI	Data					
inclu the J Paki Defi Ethr adm	udes a Indiar istan, initior nicity iinistra	whether the patient's race, a person having origins in a subcontinent including, the Philippine Islands, Th a source: Standards for M : The minimum categoria ative reporting, and civil itehouse.gov/omb/fedreg	any of the original for example, Camb nailand, and Vietna faintaining, Collec es for data on race rights compliance	l people podia, C m. ting, ar and eth reportin	es of the Far E. China, India, Ja nd Presenting F unicity for Fede	ast, Southeast Asia ipan, Korea, Malay <sup>7</sup> ederal Data on Ra	, or vsia, ce and
LowValue:		UsualRangeLow:	ACCField:	Mapp	ed - Definition	only	
LowValue: HighValue:		UsualRangeLow: UsualRangeHigh:	ACCField: ReportField:		ed - Definition NQFField:	-	
		-		Yes		No	
	ne:	-	ReportField:	Yes Yes Text	NQFField:	No No	
HighValue:		-	ReportField: ModelField:	Yes Yes Text	NQFField: PQRIField: (categorical va	No No	
HighValue: Parent Long Nam		-	ReportField: ModelField: Format:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No No	
HighValue: Parent Long Nam ParentShortName	2:	-	ReportField: ModelField: Format: DataLength:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No No	
HighValue: Parent Long Nam ParentShortName ParentValue: Harvest Co	e: odes:	-	ReportField: ModelField: Format: DataLength:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No No	
HighValue: Parent Long Nam ParentShortName ParentValue: Harvest Co	e: odes:	UsualRangeHigh:	ReportField: ModelField: Format: DataLength:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No No	

STS Adult Ca	ardiac Data	abase				V	ersion: 2.73
Long Name:	Race -	American Indian / Alaskan N	Native			SeqNo	<i>b</i> : 320
Short Name:	RaceN	ativeAm				Cor	re: Yes
Section Nam	e: Demog	raphics				Harvest	: Yes
DBTableNar	ne AdultI	Data					
Definition:	/ Alaskan South An attachmer Definition Ethnicity administra	whether the patient's race, as Native. This includes a per- herica (including Central Am nt. n source: Standards for Main : The minimum categories f ative reporting, and civil righ hitehouse.gov/omb/fedreg/19	son having orig herica), and who ntaining, Collec for data on race nts compliance n	ins in a mainta ting, an and eth reportin	ny of the origin ins tribal affili d Presenting F nicity for Fede	nal peoples of iation or comn Federal Data or	North and nunity n Race and
LowValue:		UsualRangeLow:	ACCField:	Mapp	ed - Definition	only	
HighValue:		UsualRangeHigh:	ReportField:		NQFField:	•	
U		0 0	ModelField:		PQRIField:	No	
Parent Long	Name:		Format:		(categorical va fied by STS)	llues	
ParentShort	Name:		DataLength:				
ParentValue	2:		Data Source:	User			
Harve	est Codes:						
	Code:	Value:					
	1	Yes					
	2	No					

STS Adult Ca	ardiac Data	abase				Versio	n: 2.73
Long Name:	Race -	Native Hawaiian / Pacifi	ic Islander			SeqNo:	330
Short Name:	RacNa	ntivePacific				Core:	Yes
Section Name	e: Demog	graphics				Harvest:	Yes
DBTableNan	ne Adultl	Data					
Definition:	/ Pacific ] Guam, Sa	whether the patient's race Islander. This includes a amoa, or other Pacific Isl n source: Standards for I	person having origi ands.	ns in a	ny of the original	peoples of Haw	aii,
	administr	: The minimum categor ative reporting, and civil hitehouse.gov/omb/fedre	rights compliance r	eportin		statistics, progr	am
LowValue:		UsualRangeLow:	ACCField:	Mappe	ed - Definition on	ly	
HighValue:		UsualRangeHigh:	ReportField:	Yes	NQFField: N	0	
			ModelField:	No	<i>PQRIField:</i> N	0	
Parent Long	Name:		Format:		categorical value ied by STS)	S	
ParentShortl	Name:		DataLength:				
ParentValue	:		Data Source:	User			
Harve	st Codes:						
Thur ve		Value:					
	1	Yes					
	2	No					
Long Name:	Race -					SeqNo:	340
Short Name:						Core:	Yes
Section Nam	-	-				Harvest:	Yes
DBTableNan							
Definition:	Indicate v	whether the patient's race	e, as determined by t	he patie	ent or family, incl	udes any other r	ace.
LowValue:		UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:		UsualRangeHigh:	ReportField:	Yes	<i>NQFField:</i> N	0	
			ModelField:	No	<i>PQRIField:</i> N	0	
Parent Long	Name:		Format:		categorical value ied by STS)	S	
ParentShortl	Name:		DataLength:				
ParentValue	:		Data Source:	User			
Harve	st Codes:						
	Code:	Value:					
	1	Yes					

STS Adult Cardiac Database

	2 No					
Long Name: His	spanic or Latino or Spanish E	thnicity			SeqNo:	350
Short Name: Eth	nnicity				Core:	Yes
Section Name: Der	mographics				Harvest:	Yes
DBTableName Ac	lultData					
Definition: Indica	ate if the patient is of Hispani	c, Latino or Spanis	h ethni	icity as reported by	the patient / fa	mily.
LowValue:	UsualRangeLow:	ACCField:	Mapp	ed - Definition and	l coding	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No	)	
		ModelField:	Yes	PQRIField: No	)	
Parent Long Name		Format:		(categorical values	5	
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Harvest Cod	les:					
<u>Cc</u>	ode: Value:					
	1 Yes					
	2 No					
Long Name: Re	ferring Card-Cardiologist				SeqNo:	360
Short Name: Re	fCard				Core:	Yes
Section Name: Der	mographics				Harvest:	No
DBTableName Ac	lultData					
Definition: Indica	ate the referring cardiologist's	name.				
LowValue:	UsualRangeLow:	ACCField:	Not n	napped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No	)	
		ModelField:	No	PQRIField: No	)	
Parent Long Name	:	Format:		(categorical values	8	
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			

STS Adult Cardia	c Database				Versio	n: 2.73
Long Name: R	eferring Physician				SeqNo:	370
Short Name: R	efPhys				Core:	Yes
Section Name: D	emographics				Harvest:	No
DBTableName	AdultData					
Definition: Indi	cate the primary referring phys	sician's (PCP) name	e.			
LowValue:	UsualRangeLow:	ACCField:	Not n	napped		
HighValue:	UsualRangeHigh:	ReportField:	No	<i>NQFField:</i> No	1	
		ModelField:	No	PQRIField: No	)	
Parent Long Nan	ie:	Format:		(categorical values ified by User)		
ParentShortNam	2:	DataLength:				
ParentValue:		Data Source:	User			
	ospital Name I <b>ospName</b> ospitalization				SeqNo: Core: Harvest:	380 Yes Yes
DBTableName	AdultData					
offi	cate the full name of the facilit cial hospital names with no abl ild also be in mixed-case.					
LowValue:	UsualRangeLow:	ACCField:	Not n	napped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No	)	
		ModelField:	No	PQRIField: No	)	
Parent Long Nan	ie:	Format:		(categorical values ified by User)		
ParentShortNam	2:	DataLength:				

Version: 2.73
<i>SeqNo:</i> 390
Core: Yes
Harvest: Yes
USA, these data may be known by other names
racters to allow for Zip+4 values.
state/local privacy laws.
: Not mapped
eld: No NQFField: No
ld: No PQRIField: No
Text (categorical values specified by User)
th:
rce: Lookup
SeqNo: 400
<i>Core:</i> Yes
II ( XI.
Harvest: Yes
Harvest: Yes
n which the hospital is located.
n which the hospital is located.
n which the hospital is located.
n which the hospital is located. 2: Not mapped 21d: No <i>NQFField:</i> No
n which the hospital is located. l: Not mapped eld: No <i>NQFField:</i> No ld: No <i>PQRIField:</i> No

STS Adult Cardiac D	Database				Ve	rsion: 2.73
Long Name: Hos	pital National Provider Identifi	er			SeqNo:	410
Short Name: Hos	pNPI				Core	e: Yes
Section Name: Hos	pitalization				Harvest:	Yes
DBTableName Adu	ıltData					
0	te the hospital's National Provid are and Medicaid Services (CM ses.	,	,		<b>·</b>	
LowValue:	UsualRangeLow:	ACCField:	Not n	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:	Hospital Name	Format:		(categorical va fied by User)	llues	
ParentShortName:	HospName	DataLength:				
ParentValue:	Is Not Missing	Data Source:	Look	up		

Long Name:	Payor - Government Health Insurance	SeqNo:	420
Short Name:	PayorGov	Core:	Yes
Section Name	: Hospitalization	Harvest:	Yes
DBTableNam	e AdultData		

*Definition:* Indicate whether government insurance was used by the patient to pay for part or all of this admission. Government insurance refers to patients who are covered by government-reimbursed care. This includes Medicare, Medicaid, Military Health Care (e.g. TriCare), State-Specific Plan, and Indian Health Service.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User
Harvest Codes:			
Code:	Value:		
1	Yes		
2	No		

STS Adult Cardiac Database	Version: 2.7
Long Name: Payor - Government Health Insuran	ce - Medicare SeqNo: 43
Short Name: PayorGovMcare	Core: Ye
Section Name: Hospitalization	Harvest: Ye
DBTableName AdultData	
<i>Definition:</i> Indicate whether the government insur admission included Medicare.	rance used by the patient to pay for part or all of this
LowValue: UsualRangeLow:	ACCField: Mapped - Definition only
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: Payor - Government Health Insurance	Format: Text (categorical values specified by STS)
ParentShortName: PayorGov	DataLength:
ParentValue: = "Yes"	Data Source: User
Harvest Codes:	
<u>Code:</u> Value:	
1 Yes	
2 No	
Long Name: Health Insurance Claim Number	SeqNo: 44
Short Name: HICNumber	Core: Ye
Section Name: Hospitalization	Harvest: Option
DBTableName AdultData	
	HIC) number of the primary beneficiary. This is an 11-digit ividual for a claim. This field should be collected in ws.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: Payor - Government Health Insurance - Medicare	<i>Format:</i> Text - Length exactly 11
ParentShortName: PayorGovMcare	DataLength: 11

STS Adult Cardiac Database						Versio	n: 2.73
Long Name: Payor - Gover	rnment Health Insuran	ce - Medicare -	Fee For	Service		SeqNo:	450
Short Name: PayorGovMc	areFFS					Core:	Yes
Section Name: Hospitalizatio	n					Harvest:	Yes
DBTableName AdultData							
Definition: Indicate if patient	nt is covered by Medic	care Fee for Ser	vice.				
LowValue: Usual	lRangeLow:	ACCField:	Not ma	apped			
HighValue: Usual	lRangeHigh:	ReportField:		NQFField:			
		ModelField:		PQRIField:			
Parent Long Name: Payor - Insuran	Government Health ce - Medicare	Format:		categorical va ied by STS)	lues		
ParentShortName: PayorGo	ovMcare	DataLength:					
<i>ParentValue:</i> = "Yes"		Data Source:	User				
Harvest Codes:							
Code: Value							
1 Yes							
2 No							
Long Name: Payor - Gover	rnment Health Insuran	ce - Medicaid				SeqNo:	460
Short Name: PayorGovMc						Core:	Yes
Section Name: Hospitalizatio	n					Harvest:	Yes
DBTableName AdultData							
Definition: Indicate whether admission inclus	r the government insu ded Medicaid.	rance used by th	ne patier	nt to pay for pa	art or a	all of this	
LowValue: Usual	lRangeLow:	ACCField:	Mappe	d - Definition	only		
HighValue: Usual	lRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
	Covernment Upplith		Toyt (	categorical va	lues		
Parent Long Name: Payor - Insurance		Format:		ied by STS)			
	ce	Format: DataLength:					
Insuran	ce		specif				
Insurand ParentShortName: PayorGo	ce	DataLength:	specif				
Insurand ParentShortName: PayorGo ParentValue: = "Yes"	ce w	DataLength:	specif				
Insurance ParentShortName: PayorGo ParentValue: = "Yes" Harvest Codes:	ce w	DataLength:	specif				

STS Adult Cardiac Dat			11.0			Versio	
•	- Government Health Insuran	ce - Military He	ealth Ca	ire		SeqNo:	470
•	GovMil					Core:	Yes
Section Name: Hospit						Harvest:	Yes
DBTableName Adult							
	whether the government insur n included Military Health Ca		ne patier	nt to pay for pa	art or	all of this	
LowValue:	UsualRangeLow:	ACCField:	Mappe	ed - Definition	only		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
•	Payor - Government Health nsurance	Format:		categorical va ied by STS)	lues		
ParentShortName: Pa	ayorGov	DataLength:					
ParentValue: =	"Yes"	Data Source:	User				
Harvest Codes:							
Code:	Value:						
1	Yes						
2	No						
Long Name: Payor	- Government Health Insuran	ce - State-Speci	ific Plar	1		SeqNo:	480
•	GovState	Ĩ				Core:	Yes
Section Name: Hospit						Harvest:	Yes
DBTableName Adult	Data						
	1 <i>a a b b</i>				art or	all of this	
	whether the government insur n included State-Specific Plar						
admissio			th, Ten			an or this	
admission	n included State-Specific Plar	n (e.g., MI Heal	lth, Ten Mappe	nCare, Mass).	only	an or uns	
admission	n included State-Specific Plar UsualRangeLow:	n (e.g., MI Heal ACCField:	lth, Ten Mappe No	nCare, Mass). ed - Definition	only No		
admission LowValue: HighValue: Parent Long Name: H	n included State-Specific Plar UsualRangeLow:	n (e.g., MI Heal ACCField: ReportField:	lth, Tenn Mappe No No Text (	nCare, Mass). ed - Definition <i>NQFField:</i>	only No No		
admission LowValue: HighValue: Parent Long Name: H I	n included State-Specific Plar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> Payor - Government Health	n (e.g., MI Heal ACCField: ReportField: ModelField:	lth, Tenn Mappe No No Text (	nCare, Mass). ed - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	only No No		
admission LowValue: HighValue: Parent Long Name: H I ParentShortName: Pa	n included State-Specific Plar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> Payor - Government Health nsurance	n (e.g., MI Heal ACCField: ReportField: ModelField: Format:	hth, Teni Mappe No No Text ( specif	nCare, Mass). ed - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	only No No		
admission LowValue: HighValue: Parent Long Name: H I ParentShortName: Pa	n included State-Specific Plar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> Payor - Government Health nsurance ayorGov	n (e.g., MI Heal ACCField: ReportField: ModelField: Format: DataLength:	hth, Teni Mappe No No Text ( specif	nCare, Mass). ed - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	only No No		
admission LowValue: HighValue: Parent Long Name: F I ParentShortName: P ParentValue: = Harvest Codes:	n included State-Specific Plar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> Payor - Government Health nsurance ayorGov	n (e.g., MI Heal ACCField: ReportField: ModelField: Format: DataLength:	hth, Teni Mappe No No Text ( specif	nCare, Mass). ed - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	only No No		
admission LowValue: HighValue: Parent Long Name: F I ParentShortName: P ParentValue: = Harvest Codes:	n included State-Specific Plar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> Payor - Government Health nsurance ayorGov "Yes"	n (e.g., MI Heal ACCField: ReportField: ModelField: Format: DataLength:	hth, Teni Mappe No No Text ( specif	nCare, Mass). ed - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	only No No		

STS Adult Cardiac Database		Versio	n: 2.73
Long Name: Payor - Government Health Insur	rance - Indian Health Service	SeqNo:	490
Short Name: PayorGovIHS		Core:	Yes
Section Name: Hospitalization		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate whether the government in admission included Indian Health S	surance used by the patient to pay for part ervice.	or all of this	
LowValue: UsualRangeLow:	ACCField: Mapped - Definition of	nly	
HighValue: UsualRangeHigh:	ReportField: No NQFField: N	lo	
	ModelField: No PQRIField: N	lo	
Parent Long Name: Payor - Government Health Insurance	Format: Text (categorical values specified by STS)	es	
ParentShortName: PayorGov	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
<u>Code:</u> Value:			
$\frac{2}{1} Yes$			
2 No			
		<i>a</i>	
Long Name: Payor - Government Health Insur	rance - Correctional Facility	SeqNo:	500
Short Name: PayorGovCor		Core: Harvest:	Yes Yes
Section Name: Hospitalization		nurvest.	168
DBTableName AdultData	surance used by the petient to pay for part	or all of this	
<i>Definition:</i> Indicate whether the government in admission included a state or federa	surance used by the patient to pay for part al correctional facility.	or all of this	
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
	Modell leta. I QRII leta.		
Parent Long Name: Payor - Government Health Insurance	~	es	
Insurance	<i>Format:</i> Text (categorical value	es	
Insurance	<i>Format:</i> Text (categorical values specified by STS)	es	
ParentShortName: PayorGov	Format: Text (categorical values specified by STS) DataLength:	es	
Insurance ParentShortName: PayorGov ParentValue: = "Yes"	Format: Text (categorical values specified by STS) DataLength:	es	
Insurance ParentShortName: PayorGov ParentValue: = "Yes" Harvest Codes:	Format: Text (categorical values specified by STS) DataLength:	es	

STS Adult Cardiac Dat	tabase					Versio	า: 2.73
Long Name: Payor	- Commercial Health Insura	nce				SeqNo:	510
Short Name: Payor	Com					Core:	Yes
Section Name: Hospit	talization					Harvest:	Yes
DBTableName Adult	Data						
admissio	whether commercial insuran on. Commercial insurance re Organizations (PPOs), (e.g.	efers to all indem	nnity (fe	e-for-service)			red
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	alues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
	Value:						
1	Yes						
2	No						
	II. 14 M. Star					C N	520
•	- Health Maintenance Organ	nization				SeqNo:	520 V
Short Name: Payor Section Name: Hospit						Core: Harvest:	Yes Yes
DBTableName Adult						1101 Vest.	103
	Data						
	whether a Health Maintenan	ce Organization		insurance wa	s 11500	l by the nation	t to
pay for p	whether a Health Maintenan part or all of this admission. rized by coverage that provid	HMO refers to a	Health	Maintenance	Orga	nization	t to
pay for p	part or all of this admission.	HMO refers to a	Health	Maintenance for members o	Orga	nization	t to
pay for p character	part or all of this admission. rized by coverage that provid	HMO refers to a des health care se	Health ervices Not m	Maintenance for members o	Organ on a pi	nization	t to
pay for p character <i>LowValue:</i>	part or all of this admission. rized by coverage that provid UsualRangeLow:	HMO refers to a des health care se <i>ACCField:</i>	Health ervices Not m No	Maintenance for members o apped	Orgai on a pi No	nization	t to
pay for p character <i>LowValue:</i>	part or all of this admission. rized by coverage that provid UsualRangeLow:	HMO refers to a des health care se ACCField: ReportField:	Health ervices Not m No No Text (	Maintenance for members o apped <i>NQFField:</i>	Organ on a pr No No	nization	t to
pay for p character <i>LowValue:</i> <i>HighValue:</i>	part or all of this admission. rized by coverage that provid UsualRangeLow:	HMO refers to a des health care se ACCField: ReportField: ModelField:	Health ervices Not m No No Text (	Maintenance for members o apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	Organ on a pr No No	nization	t to
pay for p character LowValue: HighValue: Parent Long Name:	part or all of this admission. rized by coverage that provid UsualRangeLow:	HMO refers to a des health care se ACCField: ReportField: ModelField: Format:	Health prvices : Not m No No Text ( specif	Maintenance for members o apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	Organ on a pr No No	nization	t to
pay for p character LowValue: HighValue: Parent Long Name: ParentShortName:	part or all of this admission. rized by coverage that provid <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	HMO refers to a des health care se ACCField: ReportField: ModelField: Format: DataLength:	Health prvices : Not m No No Text ( specif	Maintenance for members o apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	Organ on a pr No No	nization	t to
pay for p character LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:	part or all of this admission. rized by coverage that provid <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	HMO refers to a des health care se ACCField: ReportField: ModelField: Format: DataLength:	Health prvices : Not m No No Text ( specif	Maintenance for members o apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	Organ on a pr No No	nization	t to
pay for p character LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:	part or all of this admission. rized by coverage that provid <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	HMO refers to a des health care se ACCField: ReportField: ModelField: Format: DataLength:	Health prvices : Not m No No Text ( specif	Maintenance for members o apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	Organ on a pr No No	nization	t to

STS Adult Cardiac	Database					Versio	n: 2.73
Long Name: Pay	or - Non-U.S. Insurance					SeqNo:	530
Short Name: Pag	yorNonUS					Core:	Yes
Section Name: Ho	spitalization					Harvest:	Yes
DBTableName Ac	lultData						
Definition: Indication admis	ate whether any non-U.S. ins	urance was used by	the patient	to pay for	part o	r all of this	
LowValue:	UsualRangeLow:	ACCField:	Mapped - I	Definition	only		
HighValue:	UsualRangeHigh:	ReportField:	No NÇ	QFField:	No		
		ModelField:	No PQ	QRIField:	No		
Parent Long Name	:	Format:	Text (cate specified l		lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Cod	les:						
<u>Cc</u>	ode: Value:						
	1 Yes						
	2 No						
Long Name: Pay	yor - None / Self					SeqNo:	540
Short Name: Pa	yorNS					Core:	Yes
Section Name: Ho	spitalization					Harvest:	Yes
DBTableName Ac	lultData						
Definition: Indica	ate whether no insurance way	s used by the patient			sion.	None refers t	
indivi	iduals with no or limited heal y. Only mark "None" when "			-		egardless of a	•
indivi to pay	iduals with no or limited heal y. Only mark "None" when "			e first insu	irance	egardless of a	•
indivi to pay record	iduals with no or limited heal y. Only mark "None" when " d.	self" or "none" is de	moted as the Mapped - I	e first insu Definition	irance	egardless of a	•
indivi to pay record <i>LowValue:</i>	iduals with no or limited heal y. Only mark "None" when " d. <i>UsualRangeLow:</i>	self" or "none" is de ACCField:	noted as the Mapped - I No NÇ	e first insu Definition	only No	egardless of a	•
indivi to pay record <i>LowValue:</i>	iduals with no or limited heal y. Only mark "None" when " d. <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	self" or "none" is de ACCField: ReportField:	noted as the Mapped - I No NÇ	e first insu Definition <i>QFField:</i> <i>QRIField:</i> gorical va	only No No	egardless of a	•
indivi to pay record <i>LowValue:</i> <i>HighValue:</i>	iduals with no or limited heal y. Only mark "None" when " d. <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> :	self" or "none" is de ACCField: ReportField: ModelField:	Mapped - I No <i>NQ</i> No <i>PQ</i> Text (cate	e first insu Definition <i>QFField:</i> <i>QRIField:</i> gorical va	only No No	egardless of a	•
indivi to pay record <i>LowValue:</i> <i>HighValue:</i> <i>Parent Long Name</i>	iduals with no or limited heal y. Only mark "None" when " d. <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> :	self" or "none" is de ACCField: ReportField: ModelField: Format:	Mapped - I No <i>NQ</i> No <i>PQ</i> Text (cate specified I	e first insu Definition <i>QFField:</i> <i>QRIField:</i> gorical va	only No No	egardless of a	•
indivi to pay record <i>LowValue:</i> <i>HighValue:</i> <i>Parent Long Name</i> <i>ParentShortName:</i>	iduals with no or limited heal y. Only mark "None" when " d. <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> :	self" or "none" is de ACCField: ReportField: ModelField: Format: DataLength:	Mapped - I No <i>NQ</i> No <i>PQ</i> Text (cate specified I	e first insu Definition <i>QFField:</i> <i>QRIField:</i> gorical va	only No No	egardless of a	•
indivi to pay record LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	iduals with no or limited heal y. Only mark "None" when " d. <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> :	self" or "none" is de ACCField: ReportField: ModelField: Format: DataLength:	Mapped - I No <i>NQ</i> No <i>PQ</i> Text (cate specified I	e first insu Definition <i>QFField:</i> <i>QRIField:</i> gorical va	only No No	egardless of a	•
indivi to pay record LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	iduals with no or limited heal y. Only mark "None" when " <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> : :	self" or "none" is de ACCField: ReportField: ModelField: Format: DataLength:	Mapped - I No <i>NQ</i> No <i>PQ</i> Text (cate specified I	e first insu Definition <i>QFField:</i> <i>QRIField:</i> gorical va	only No No	egardless of a	•

STS Adult Cardiac	Database			Versio	n: 2.73
Long Name: A	rival Date			SeqNo:	550
Short Name: A	rrivalDt			Core:	Yes
Section Name: Ho	ospitalization			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	ate the date the patient arrive	d at your facility.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nam	2:	Format:	Date mm/dd/yyyy		
ParentShortName	:	DataLength:			
ParentValue:		Data Source:	User		
Long Name: A	rival Time			SeqNo:	560
Short Name: A	rrivalTm			Core:	Yes
Section Name: Ho	ospitalization			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	ate the time the patient arrive	d at your facility.			
	e patient came to your facility mented, code the scheduled ti		tpatient procedure and	the time was not	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nam	e:	Format:	Time in 24-hour hh:m	m format	
ParentShortName	:	DataLength:			
ParentValue:		Data Source:	User		

STS Adult Cardiac D	atabase				Versio	n: 2.73
Long Name: Date	of Admission				SeqNo:	570
Short Name: Adm	nitDt				Core:	Yes
Section Name: Hosp	bitalization				Harvest:	Yes
DBTableName Adu	ltData					
	e the Date of Admission. For a capacity (i.e., catheterization),					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: N	No	
		ModelField:	No	PQRIField: N	No	
Parent Long Name:		Format:	Date	mm/dd/yyyy		
ParentShortName:		DataLength:				
ParentValue:		Data Source.	User			
Long Name: Adm	iit Source				SeqNo:	580
0	nitSrc				Core:	Yes
Section Name: Hosp					Harvest:	Yes
DBTableName Adu	ltData					
Definition: Indicat	e the source of admission for t	he patient to you	ır facili	ty.		
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:		NQFField:		
		ModelField:		PQRIField:		
Parent Long Name:		Format:		(categorical valu fied by STS)	es	
ParentShortName:		DataLength:				
ParentValue:		Data Source.	User			
Harvest Code	s and Value Definitions:					
Cod	e: Value:	Definition	<u>n:</u>			
	1 Elective Admission					
2	2 Emergency Department		nergenc		or this episode of xcludes transfers	
ź	3 Transfer in from another acute care facility	facility (e	even if l		another acute car ferred to the emer are.	
2	4 Other		her mea	ans. This include	or this episode of s transfers from 1	

STS Adult Cardiac E					n: 2.73
-	er Hospital Performs Cardiac S	urgery		SeqNo:	590
<b></b>	HosCS			Core:	Yes
Section Name: Hos	pitalization			Harvest:	Yes
DBTableName Adu	ultData				
	ansferring hospital or medical c ble to perform the cardiac surge		he necessary personnel an	d facilities to h	nave
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Admit Source	Format:	Text (categorical values specified by STS)		
ParentShortName:	AdmitSrc	DataLength:			
ParentValue:	= "Transfer in from another acute care facility"	Data Source:	User		
Harvest Code	es:				
Coc	<u>le: Value:</u>				
	1 Yes				
	2 No				
Long Name: Date	e of Surgery			SeqNo:	610
Short Name: Sur	gDt			Core:	Yes
Section Name: Hos	pitalization			Harvest:	Yes
DBTableName Adu	ultData				
	te the date of index cardiac surg tial major cardiac surgical proc			ocedure is defin	ned as
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No		
		ModelField:	No PQRIField: No		
			D ( 11/		
Parent Long Name:		Format:	Date mm/dd/yyyy		
Parent Long Name: ParentShortName:		Format: DataLength:	Date mm/dd/yyyy		

STS Adult Cardiac Database	Version: 2.73
Long Name: Date of Discharge	SeqNo: 620
Short Name: DischDt	Core: Yes
Section Name: Hospitalization	Harvest: Yes
DBTableName AdultData	
<i>Definition:</i> Indicate the date the patient was discharged from the he going to a rehab or hospice or similar extended care un patient died in the hospital, the discharge date is the date date is the date date is the date date date is the date date date date date date date dat	it within the same physical facility. If the
LowValue: UsualRangeLow: ACCField:	Mapped - Definition and coding
HighValue: UsualRangeHigh: ReportField:	Yes NQFField: No
ModelField:	No <i>PQRIField:</i> No
Parent Long Name: Format:	Date mm/dd/yyyy
ParentShortName: DataLength:	
ParentValue: Data Source:	User
Long Name: Weight (kg)	<i>SeaNo:</i> 630
I O I O I O I I O I O I I I O I I I O I I I O I I O I I O I I O I I O I I O I I O I I O I I O I	SeqNo: 630
	Carras Vac
Short Name: WeightKg	Core: Yes Harvest: Yes
Short Name: WeightKg Section Name: Risk Factors	Core:YesHarvest:Yes
Short Name: WeightKg Section Name: Risk Factors DBTableName AdultData	Harvest: Yes
Short Name: WeightKg Section Name: Risk Factors DBTableName AdultData Definition: Indicate the weight of the patient in kilograms closest t	Harvest: Yes o the date of procedure.
Short Name:WeightKgSection Name:Risk FactorsDBTableNameAdultDataDefinition:Indicate the weight of the patient in kilograms closest theLowValue:10.0UsualRangeLow:40.0ACCField:	<i>Harvest:</i> Yes o the date of procedure. Mapped - Definition only
Short Name:WeightKgSection Name:Risk FactorsDBTableNameAdultDataDefinition:Indicate the weight of the patient in kilograms closest the the section of the patient in kilograms closest the section of the patient in	<i>Harvest:</i> Yes o the date of procedure. Mapped - Definition only Yes <i>NQFField:</i> No
Short Name:WeightKgSection Name:Risk FactorsDBTableNameAdultDataDefinition:Indicate the weight of the patient in kilograms closest theLowValue:10.0UsualRangeLow:40.0ACCField:	<i>Harvest:</i> Yes o the date of procedure. Mapped - Definition only Yes <i>NQFField:</i> No
Short Name:       WeightKg         Section Name:       Risk Factors         DBTableName       AdultData         Definition:       Indicate the weight of the patient in kilograms closest the section of the patient closest the patient in kilograms closest the section of	<i>Harvest:</i> Yes o the date of procedure. Mapped - Definition only Yes <i>NQFField:</i> No
Short Name:       WeightKg         Section Name:       Risk Factors         DBTableName       AdultData         Definition:       Indicate the weight of the patient in kilograms closest the section of the patient closest the patient in kilograms closest the section of	Harvest: Yes o the date of procedure. Mapped - Definition only Yes NQFField: No Yes PQRIField: No

STS Adult Cardiac Data	abase						Versio	n: 2.73
Long Name: Height	(cm)						SeqNo:	640
Short Name: Height	Cm						Core:	Yes
Section Name: Risk Factors						На	arvest:	Yes
DBTableName AdultI	Data							
Definition: Indicate t	he height of the patier	nt in centi	meters.					
LowValue: 20.0	UsualRangeLow: 1	122.0	ACCField:	Mappe	ed - Definition of	nly		
HighValue: 251.0	UsualRangeHigh: 2	213.0	ReportField:	Yes	NQFField: N	No		
		Ì	ModelField:	Yes	PQRIField: N	No		
Parent Long Name:		i	Format:	Real				
ParentShortName:		i	DataLength:					
ParentValue:		i	Data Source:	User				
Long Name: Cigaret Short Name: CigSm Section Name: Risk Fa DBTableName AdultI	actors						SeqNo: Core: arvest:	650 Yes Yes
Definition: Indicate i	f the patient has smok	ed cigaret	tes anytime o	luring t	he year prior to a	surgery	γ.	
LowValue:	UsualRangeLow:	1	ACCField:	Mappe	ed - Definition of	nly		
HighValue:	UsualRangeHigh:	1	ReportField:	Yes	NQFField: N	No		
		Ì	ModelField:	No	PQRIField: N	No		
Parent Long Name:		i	Format:		(categorical valu fied by STS)	es		
ParentShortName:		1	DataLength:					
ParentValue:		1	Data Source:	User				
Harvest Codes:								
That vest Coues.								
	Value:							
Code:	<u>Value:</u> Yes							

STS Adult Cardiac Dat	abase			Version	า: 2.73
Long Name: Cigare	tte Smoker Current			SeqNo:	660
Short Name: CigSm	nokerCurr			Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether the patient smoked	l cigarettes within	two weeks prior to proced	ure.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: 0	Cigarette Smoker	Format:	Text (categorical values specified by STS)		
ParentShortName: C	igSmoker	DataLength:			
ParentValue: =	"Yes"	Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				
Long Name: Other	Tobacco Use			SeqNo:	661
Short Name: OthTo	bUse			Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
Definition: Current of chewing	or previous use of any toba tobacco.	cco product other	than cigarettes, including c	vigars, pipes, a	nd
LowValue:	UsualRangeLow:	ACCField:	Mapped - Definition only		
LowValue: HighValue:	UsualRangeLow: UsualRangeHigh:	ACCField: ReportField:	Mapped - Definition only <i>NQFField:</i>		
		ReportField:	NQFField:		
HighValue:		ReportField: ModelField:	NQFField: PQRIField: Text (categorical values		
HighValue: Parent Long Name:		ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)		
HighValue: Parent Long Name: ParentShortName:		ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:		ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:	UsualRangeHigh:	ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		

	Database					Versio	n: 2.73
Long Name: RI	F-Family History of Prematu	re CAD				SeqNo:	670
Short Name: F	ICAD					Core:	Yes
Section Name: Ri	sk Factors					Harvest:	Yes
DBTableName A	dultData						
any o for f 1. 2. 3.	ate if the patient has/had any of the following DIAGNOSI emale relatives: Coronary Artery Disease (any MI Sudden cardiac death withou patient is adopted, or the fa	D at age less than gina, previous CAl t obvious cause.	55 years 3G or PC	for male relat			
LowValue:	UsualRangeLow:	ACCField:	Mapp	ed - Definition	n and C	oding	
HighValue:	UsualRangeHigh:	ReportField	!: Yes	NQFField:	No		
		ModelField	: No	PQRIField:	No		
Parent Long Nam	· · ·	Format:	Text	(categorical va	alues		
Ũ		1 0111000		fied by STS)			
ParentShortName		DataLength	speci				
-			speci :				
ParentShortName		DataLength	speci :				
ParentShortName ParentValue: Harvest Co		DataLength	speci :				
ParentShortName ParentValue: Harvest Co	les:	DataLength	speci :				
ParentShortName ParentValue: Harvest Co	des: ode: <u>Value:</u>	DataLength	speci :				
ParentShortName ParentValue: Harvest Co <u>C</u>	des: ode: <u>Value:</u> 1 Yes	DataLength	speci :			SeqNo:	680
ParentShortName ParentValue: Harvest Co <u>C</u>	des: <u>ode: Value:</u> 1 Yes 2 No 7-Last Hematocrit	DataLength	speci :			SeqNo: Core:	680 Yes
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI	des: <u>ode: Value:</u> 1 Yes 2 No F-Last Hematocrit <b>xt</b>	DataLength	speci :			-	
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI Short Name: H	des: <u>ode: Value:</u> 1 Yes 2 No F-Last Hematocrit sk Factors	DataLength	speci :			Core:	Yes
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI Short Name: Hi Section Name: Ri DBTableName A Definition: Indic	des: <u>ode: Value:</u> 1 Yes 2 No F-Last Hematocrit sk Factors	DataLength Data Sourc	speci :: e: User te and tin	fied by STS)	,	Core: Harvest:	Yes
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI Short Name: Hi Section Name: Ri DBTableName A Definition: Indic	des: <u>ode:</u> <u>Value:</u> 1 Yes 2 No 7-Last Hematocrit sk Factors dultData ate the pre-operative Hemat	DataLength Data Source	speci <i>e:</i> User te and tin room).	fied by STS)	,	Core: Harvest:	Yes
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI Short Name: Hi Section Name: Ri DBTableName A Definition: India anes	des: <u>ode:</u> <u>Value:</u> 1 Yes 2 No <sup>7</sup> -Last Hematocrit <sup>7</sup> <sup>7</sup> <sup>8</sup> k Factors dultData ate the pre-operative Hemat hetic management (inductio	DataLength Data Sourc	speci : e: User te and tin room). Not m	fied by STS) me closest to s napped	,	Core: Harvest:	Yes
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI Short Name: Hi Section Name: Ri DBTableName A Definition: India anes LowValue: 1.0	des: <u>ode: Value:</u> 1 Yes 2 No 7-Last Hematocrit <b>5t</b> sk Factors dultData ate the pre-operative Hemat hetic management (inductio <i>UsualRangeLow:</i> 39	DataLength Data Sourc	speci : e: User te and tin room). Not m !: No	fied by STS) me closest to s napped	urgery No	Core: Harvest:	Yes
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI Short Name: Hi Section Name: Ri DBTableName A Definition: India anes LowValue: 1.0	des: <u>ode: Value:</u> 1 Yes 2 No 7-Last Hematocrit et sk Factors dultData ate the pre-operative Hemat hetic management (inductio <i>UsualRangeLow:</i> 39 <i>UsualRangeHigh:</i> 53	DataLength Data Sourc	speci : e: User te and tin room). Not m !: No	fied by STS) me closest to s napped <i>NQFField:</i>	urgery No	Core: Harvest:	Yes
ParentShortName ParentValue: Harvest Co <u>C</u> Long Name: RI Short Name: Hi Section Name: Ri DBTableName A Definition: India aness LowValue: 1.0 HighValue: 99.9	des: <u>ode:</u> <u>Value:</u> 1 Yes 2 No 7-Last Hematocrit <b>ct</b> sk Factors dultData ate the pre-operative Hemat hetic management (inductio <i>UsualRangeLow:</i> 39 <i>UsualRangeHigh:</i> 53 e:	DataLength Data Source Data So	speci : e: User te and tin room). Not m l: No : No Real	fied by STS) me closest to s napped <i>NQFField:</i>	urgery No	Core: Harvest:	Yes

STS Adult Cardiac Database	Version: 2.73
Long Name: RF-Last WBC Count	<i>SeqNo:</i> 690
Short Name: WBC	Core: Yes
Section Name: Risk Factors	Harvest: Yes
DBTableName AdultData	
<i>Definition:</i> Indicate the pre-operative White Blood Cell (WBC) count closest to t surgery but prior to anesthetic management (induction area or operati	
LowValue: 0.1 UsualRangeLow: 4.0 ACCField: Not mapped	
HighValue: 99.9 UsualRangeHigh: 15.0 ReportField: No NQFF	<i>ield:</i> No
ModelField: No PQRIF	Field: No
Parent Long Name: Format: Real	
ParentShortName: DataLength:	
ParentValue: Data Source: User	
Long Name:RF-PlateletsShort Name:PlateletsSection Name:Risk Factors	SeqNo: 700 Core: Yes Harvest: Yes
DBTableName AdultData	
<i>Definition:</i> Indicate the platelet count closest to the date and time prior to surgery management (induction area or operating room).	but prior to anesthetic
LowValue: 1000 UsualRangeLow: 150000 ACCField: Not mapped	
HighValue: 900000 UsualRangeHigh: 400000 ReportField: NQFF	ield:
	Giald
ModelField: PQRII	ieiu.
ModelField:PQRIFParent Long Name:Format:Integer	<i>letu</i> .
~	<i>letu</i> .

STS Adult Ca	rdiac Dat	abase				Versio	on: 2.73
Long Name:	RF-IN	R				SeqNo:	710
Short Name:	INR					Core:	Ye
Section Name	e: Risk Fa	actors				Harvest:	Ye
DBTableNam	<i>ie</i> Adult	Data					
		he International Non nesthetic manageme				and time prior to surgery	y but
LowValue:	0.5	UsualRangeLow:	0.9	ACCField:	Not mapped		
HighValue:	30.0	UsualRangeHigh:	1.3	ReportField:	NQFFi	eld:	
				ModelField:	PQRIF	ield:	
Parent Long	Name:			Format:	Real		
ParentShortN	Name:			DataLength:			
ParentValue:	÷			Data Source.	User		
Long Name:	RF-HI	T Antibodies				SeqNo:	711
Short Name:	HITA	nti				Core:	Ye
Section Name	e: Risk Fa	actors				Harvest:	Ye
DBTableNam	<i>ie</i> Adult	Data					
Definition:	Indicate	whether Heparin Ind	uced Tł	nrombocytopenia	(HIT) is confirm	ned by antibody testing	
LowValue:		UsualRangeLow:		ACCField:	Not mapped		
HighValue:		UsualRangeHigh:		ReportField:	NQFFi	eld:	
				ModelField:	PQRIF	ield:	
Parent Long	Name:			Format:	Text (categoric specified by S		
ParentShortN	Name:			DataLength:			
ParentValue:	·			Data Source.	User		
Harves	st Codes a	and Value Definitior	is:				
	Code:	Value:		Definitio	<u>n:</u>		
	1	Yes		Positive a	ntibody testing		
	2	No		Negative	antibody testing		
	3	Not Applicable		Antibody	testing not perfo	ormed	

STS Adult Cardiac Database	Version: 2	2.73
Long Name: RF-Total Bilirubin	SeqNo:	720
Short Name: TotBlrbn	Core:	Yes
Section Name: Risk Factors	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the total Bilirubin closes management (induction area or o	to the date and time prior to surgery but prior to anesthetic erating room).	
LowValue: 0.1 UsualRangeLow: 0.2	ACCField: Not mapped	
HighValue: 50.0 UsualRangeHigh: 1.3	ReportField: NQFField:	
	ModelField: PQRIField:	
Parent Long Name:	Format: Real	
ParentShortName:	DataLength:	
ParentValue:	Data Source: User	
Long Name: RF-Total Albumin	SeqNo:	730
Short Name: TotAlbumin	Core:	Yes
Section Name: Risk Factors	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the total albumin closest management (induction area or o	o the date and time prior to surgery but prior to anesthetic erating room).	
LowValue: 1.0 UsualRangeLow: 3.5	ACCField: Not mapped	
HighValue: 10.0 UsualRangeHigh: 5.0	ReportField: NQFField:	
	ModelField: PQRIField:	
Parent Long Name:	Format: Real	
ParentShortName:	DataLength:	
Parenisnoriname:		

	ardiac Da	atabase					Vers	ion: 2.73
Long Name:	RF-L	ast A1c Level					SeqNo:	740
Short Name	: A1cI	Lvl					Core:	Yes
Section Nan	<i>ie:</i> Risk	Factors					Harvest:	Yes
DBTableNa	me Adul	ltData						
Definition:		e the pre-operative Hb tic management (indu				l time prior su	rgery but prior to	
LowValue:	1.0	UsualRangeLow:	4.0	ACCField:	Not ma	apped		
HighValue:	20.0	UsualRangeHigh:	8.0	ReportField:	No	NQFField:	No	
				ModelField:	No	PQRIField:	No	
Parent Long	g Name:			Format:	Real			
ParentShort	Name:			DataLength:				
ParentValue	e:			Data Source:	User			
7 37								
Long Name:	· RF-L	ast Creat Level					SeaNo:	750
Long Name: Short Name							SeqNo: Core:	750 Yes
-	: Crea	tLst					•	
Short Name	: Crea	tLst Factors					Core:	Yes
Short Name Section Nan	: <b>Crea</b> <i>ne:</i> Risk <i>me</i> Adul Indicate	tLst Factors			ne prior	surgery but p	Core: Harvest:	Yes
Short Name Section Nan DBTableNa	: Creatine: Risk me Adul Indicate manage A creati	<b>tLst</b> Factors ItData e the creatinine level c	or operati	ng room). on all patients,	even if	they have no j	Core: Harvest: rior to anesthetic prior history. A	Yes Yes
Short Name Section Nan DBTableNa	: Creatine: Risk me Adul Indicate manage A creati	tLst Factors ItData e the creatinine level c ement (induction area inine level should be c	or operati	ng room). on all patients,	even if	they have no p is used in the	Core: Harvest: rior to anesthetic prior history. A	Yes Yes
Short Name Section Nan DBTableNa Definition:	Creat ne: Risk me Adul Indicate manage A creati creatini 0.1	tLst Factors htData e the creatinine level c ment (induction area inine level should be c ne value is a high prec	or operati collected o lictor of a 0.1	ng room). on all patients, a patient's outco	even if ome and Not ma	they have no p is used in the apped	Core: Harvest: rior to anesthetic prior history. A	Yes Yes
Short Name Section Nan DBTableNa Definition: LowValue:	Creat ne: Risk me Adul Indicate manage A creati creatini 0.1	tLst Factors ltData e the creatinine level c ement (induction area inine level should be c ne value is a high prec UsualRangeLow:	or operati collected o lictor of a 0.1	ng room). on all patients, a patient's outco <i>ACCField:</i>	even if ome and Not ma Yes	they have no p is used in the apped	Core: Harvest: rior to anesthetic prior history. A predicted risk mo Yes	Yes Yes
Short Name Section Nan DBTableNa Definition: LowValue: HighValue:	Creat me: Risk me Adul Indicate manage A creati creatini 0.1 30.0	tLst Factors ltData e the creatinine level c ement (induction area inine level should be c ne value is a high prec UsualRangeLow:	or operati collected o lictor of a 0.1	ng room). on all patients, a patient's outco <i>ACCField:</i> <i>ReportField:</i>	even if ome and Not ma Yes	they have no p is used in the apped <i>NQFField:</i>	Core: Harvest: rior to anesthetic prior history. A predicted risk mo Yes	Yes Yes
Short Name Section Nan DBTableNa Definition: LowValue:	Creat ne: Risk me Adu Indicate manage A creati creatini 0.1 30.0 g Name:	tLst Factors ltData e the creatinine level c ement (induction area inine level should be c ne value is a high prec UsualRangeLow:	or operati collected o lictor of a 0.1	ng room). on all patients, a patient's outco <i>ACCField:</i> <i>ReportField:</i> <i>ModelField:</i>	even if ome and Not ma Yes Yes	they have no p is used in the apped <i>NQFField:</i>	Core: Harvest: rior to anesthetic prior history. A predicted risk mo Yes	Yes Yes

STS Adult Cardiac Database		Version: 2.73		
Long Name: F	RF-Diabetes	SeqNo:	780	
Short Name: I	Diabetes	Core:	Yes	
Section Name: R	isk Factors	Harvest:	Yes	

DBTableName AdultData

*Definition:* Indicate whether patient has a history of diabetes diagnosed and/or treated by a physician. The American Diabetes Association criteria include documentation of the following:

1. A1c >=6.5%; or

2. Fasting plasma glucose >=126 mg/dl (7.0 mmol/l); or

3. Two-hour plasma glucose >=200 mg/dl (11.1 mmol/l) during an oral glucose tolerance test; or 4. In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose >=200 mg/dl (11.1 mmol/l)

It does not include gestational diabetes.

LowValue:	UsualRangeLow:	ACCField:	Mapped - Definition and coding
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	Yes PQRIField: No
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User
Harvest Codes:			
Code:	Value:		
1	Yes		
2	No		

STS Adult Cardiac Database	Version: 2.73			
Long Name: RF-Diabetes-Control	<i>SeqNo:</i> 790			
Short Name: DiabCtrl	Core: Yes			
Section Name: Risk Factors	Harvest: Yes			
DBTableName AdultData				
<i>Definition:</i> Indicate the control method the patient presented with on admission. Patients placed on a preprocedure diabetic pathway of insulin drip at admission but were previously controlled by diet or oral method are not coded as insulin treated. Choose the most aggressive therapy used prior to admission.				
LowValue: UsualRangeLow:	ACCField: Mapped - Definition and coding			
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No			
	ModelField: Yes PQRIField: No			
Parent Long Name: RF-Diabetes	Format: Text (categorical values specified by STS)			
ParentShortName: Diabetes	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source: User			
Harvest Codes and Value Definitions:				
Code: Value:	Definition:			
1 None	No treatment for diabetes.			
2 Diet	Diet treatment only.			
3 Oral	Oral agent treatment (includes oral agent with/without diet treatment).			
4 Insulin	Insulin treatment (includes any combination with insulin).			
5 Other	Other adjunctive therapy			

STS Adult Cardiac Database		Version: 2.73
Long Name: RF-Dyslipidemia		<i>SeqNo:</i> 800
Short Name: Dyslip		Core: Yes
Section Name: Risk Factors		Harvest: Yes
DBTableName AdultData		
criteria, defined as any 1 of the follow - Total cholesterol greater than 200 m - Low-density lipoprotein (LDL) greater	ving: ng/dl (5.18 mmol ater than or equal	
LowValue: UsualRangeLow:	ACCField:	Mapped - Definition and coding
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No
	ModelField:	Yes PQRIField: No
Parent Long Name:	Format:	Text (categorical values specified by STS)
ParentShortName:	DataLength:	
ParentValue:	Data Source:	User
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		
Long Name: RF-Renal Fail-Dialysis		<i>SeqNo:</i> 810
Short Name: Dialysis		<i>Core:</i> Yes
Section Name: Risk Factors		Harvest: Yes
DBTableName AdultData		
Definition: Indicate whether the patient is current	tly undergoing d	ialysis.
LowValue: UsualRangeLow:	ACCField:	Mapped - Definition and coding
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: Yes
	ModelField:	Yes PQRIField: No
Parent Long Name:	Format:	Text (categorical values specified by STS)
ParentShortName:	DataLength:	
ParentValue:	Data Source:	User
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		

Long Name.	: RF-MI	ELD Score				SeqNo:	815
Short Name	: MELD	DScr				Core:	Ye
Section Nan	ne: Risk Fa	actors				Harvest:	Yes
DBTableNa	ame Adultl	Data					
Definition:	MELD so	core value calculated by se	oftware to indicate 1	iver dis	sease.		
LowValue:	-50.0	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	150.0	UsualRangeHigh:	ReportField:		NQFField:		
			ModelField:		PQRIField:		
Parent Long	g Name:		Format:	Real			
ParentShort	tName:		DataLength:				
ParentValu	e:		Data Source:	Calcul	lated		
Long Name.	: RF-Hy	pertension				SeqNo:	820
Short Name	: Hyper	tn				Core:	Yes
Section Nan	ne · Risk F	actors				Harvest:	Yes
~	ne. Itisk I						
DBTableNa Definition:	ume Adultl Indicate						
DBTableNa	ume Adultl Indicate v a. Docum b. Prior d without d systolic o disease	Data whether the patient has a c	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f	treated systoli cument for patie	with medicat: c or 90 mmH tation of blood ents with diab	ion, diet and/or exe g diastolic for patie d pressure >130 mr	ercise ents nHg
DBTableNa Definition:	ume Adultl Indicate v a. Docum b. Prior d without d systolic o disease	Data whether the patient has a contented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic ther	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype	treated systoli cument for patie	with medicat c or 90 mmH tation of blood ents with diab n.	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kidu	ercise ents nHg
DBTableNa Definition: LowValue:	<i>ume</i> Adult Indicate v a. Docum b. Prior d without d systolic o disease c. Curren	Data whether the patient has a c nented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic then <i>UsualRangeLow:</i>	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f apy to control hype ACCField:	treated systoli cument for patie rtension Mappe	with medicat c or 90 mmH tation of blood ents with diab n. d - Definition	ion, diet and/or exe g diastolic for patie l pressure >130 mr etes or chronic kidu and coding	ercise ents nHg
DBTableNa Definition: LowValue:	<i>ume</i> Adult Indicate v a. Docum b. Prior d without d systolic o disease c. Curren	Data whether the patient has a contented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic ther	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype	treated systoli coument for patie rtension Mappe Yes	with medicat c or 90 mmH tation of blood ents with diab n.	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kide and coding No	ercise ents nHg
DBTableNa	<i>ume</i> Adult Indicate v a. Docum b. Prior d without d systolic o disease c. Curren	Data whether the patient has a c nented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic then <i>UsualRangeLow:</i>	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype ACCField: ReportField:	treated systoli cument for patient rtension Mappe Yes Yes Text (	with medicat: c or 90 mmH tation of blood ents with diabonn. d - Definition <i>NQFField:</i>	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kide and coding No No	ercise ents nHg
DBTableNa Definition: LowValue: HighValue: Parent Lonş	<i>ame</i> Adultl Indicate v a. Docum b. Prior d without d systolic o disease c. Curren	Data whether the patient has a c nented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic then <i>UsualRangeLow:</i>	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype ACCField: ReportField: ModelField:	treated systoli cument for patient rtension Mappe Yes Yes Text (	with medicati c or 90 mmH tation of blood ents with diabo n. d - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kide and coding No No	ercise ents nHg
DBTableNa Definition: LowValue: HighValue: Parent Long ParentShort	<i>ume</i> Adultl Indicate v a. Docum b. Prior d without d systolic o disease c. Curren	Data whether the patient has a c nented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic then <i>UsualRangeLow:</i>	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype ACCField: ReportField: ModelField: Format:	treated systoli cument for patient rtension Mappe Yes Yes Text ( specifi	with medicati c or 90 mmH tation of blood ents with diabo n. d - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kide and coding No No	ercise ents nHg
DBTableNa Definition: LowValue: HighValue: Parent Long ParentShort ParentValue	<i>ume</i> Adultl Indicate v a. Docum b. Prior d without d systolic o disease c. Curren	Data whether the patient has a c nented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic then <i>UsualRangeLow:</i>	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype ACCField: ReportField: ModelField: Format: DataLength:	treated systoli cument for patient rtension Mappe Yes Yes Text ( specifi	with medicati c or 90 mmH tation of blood ents with diabo n. d - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kide and coding No No	ercise ents nHg
DBTableNa Definition: LowValue: HighValue: Parent Long ParentShort ParentValue	<i>ume</i> Adult Indicate v a. Docum b. Prior d without d systolic o disease c. Curren g Name: tName: te:	Data whether the patient has a c nented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic then <i>UsualRangeLow:</i>	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype ACCField: ReportField: ModelField: Format: DataLength:	treated systoli cument for patient rtension Mappe Yes Yes Text ( specifi	with medicati c or 90 mmH tation of blood ents with diabo n. d - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kide and coding No No	ercise ents nHg
DBTableNa Definition: LowValue: HighValue: Parent Long ParentShort ParentValue	<i>ume</i> Adult Indicate v a. Docum b. Prior d without d systolic o disease c. Curren g Name: tName: te:	Data whether the patient has a contented history of hyperten locumentation of blood pr liabetes or chronic kidney or 80 mmHg diastolic on a tly on pharmacologic then <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	sion diagnosed and essure >140 mmHg disease, or prior do t least 2 occasions f rapy to control hype ACCField: ReportField: ModelField: Format: DataLength:	treated systoli cument for patient rtension Mappe Yes Yes Text ( specifi	with medicati c or 90 mmH tation of blood ents with diabo n. d - Definition <i>NQFField:</i> <i>PQRIField:</i> categorical va	ion, diet and/or exe g diastolic for patie d pressure >130 mr etes or chronic kide and coding No No	ercise ents nHg

STS Adult Cardiac	Database				Ve	rsion: 2.73
Long Name: RI	F-Infect Endocard				SeqNo:	· 830
Short Name: In	fEndo				Core	e: Yes
Section Name: Ri	sk Factors				Harvest:	Yes
DBTableName A	dultData					
follo 1. po 2. ve	ate whether the patient has a h wing: sitive blood cultures getation on echocardiography cumented history of infectious	and/or other diagn			ented by one of	the
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name	2:	Format:		(categorical va fied by STS)	lues	
ParentShortName	:	DataLength:				
ParentValue:		Data Source:	User			
Harvest Co	des:					
	ode: Value:					
_	1 Yes					
	2 No					
Long Name: RI	F-Infect Endocard Type				SeqNo:	840
Short Name: In	fEndTy				Core	e: Yes
Section Name: Ri	sk Factors				Harvest:	Yes
DBTableName A	dultData					
endo	ate the type of endocarditis the carditis, the disease is conside cation) is being given at the time	red active. If no an	tibiotic	medication (o	ther than proph	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	Yes	PQRIField:	No	
Parent Long Name	e: RF-Infect Endocard	Format:		(categorical va fied by STS)	lues	
ParentShortName	: InfEndo	DataLength:				
ParentValue:	= "Yes"	Data Source:	User			
Harvest Co	des:					
9	der Valuer					
<u>C</u>	ode: Value:					

STS Adult Cardiac Database

2 Active

Long Name: RF-Inf	ect Endocard Culture			SeqNo:	850
Short Name: InfEnd	Cult			Core:	Yes
Section Name: Risk Fa	actors			Harvest:	Yes
DBTableName AdultI	Data				
Definition: Indicate c	culture results.				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Name: R	F-Infect Endocard	Format:	Text (categorical values specified by STS)		
ParentShortName: In	fEndo	DataLength:			
ParentValue: =	"Yes"	Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Culture negative				
2	Staphylococcus aureus				
3	Streptococcus species				
4	Coagulase negative staphylococcus				
5	Enterococcus species				
6	Fungal				
7	Other				

	Versio	n: 2.73
	SeqNo:	860
	Core:	Yes
	Harvest:	Yes
redicted, and/or on chronic inhaled or oral bro of predicted, and/or on chronic steroid therap	nchodilator therap y aimed at lung di	
ACCField: Not mapped		
**	No	
ModelField: Yes PQRIField:	No	
<i>Format:</i> Text (categorical val specified by STS)	ues	
DataLength:		
Data Source: User		
set	SeaNo	880
	-	Yes
		Yes
function tests were performed.		
ACCField: Not mapped		
**		
ModelField: PQRIField:		
<i>Format:</i> Text (categorical val specified by STS)	ues	
DataLength:		
Data Source: User		
	predicted, and/or on chronic inhaled or oral brok 6 of predicted, and/or on chronic steroid therapy ed, and/or Room Air pO2 < 60 or Room Air pO ACCField: Not mapped ReportField: Yes NQFField: ModelField: Yes PQRIField: Format: Text (categorical val specified by STS) DataLength: Data Source: User Yest function tests were performed. ACCField: Not mapped ReportField: Not mapped ReportField: Not mapped ReportField: Not mapped ReportField: Not mapped ReportField: PQRIField: ModelField: PQRIField: Format: Text (categorical val specified by STS) DataLength:	SeqNo: Core: Harvest: has chronic lung disease, and the severity level according to the predicted, and/or on chronic inhaled or oral bronchodilator therap % of predicted, and/or on chronic steroid therapy aimed at lung di ed, and/or Room Air pO2 < 60 or Room Air pCO2 > 50. ACCField: Not mapped ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values specified by STS) DataLength: Data Source: User Yest SeqNo: Core: Harvest: function tests were performed. ACCField: Not mapped ReportField: NOt mapped ReportField: NOT mapped ReportField: PQRIField: ModelField: PQRIField: Format: Text (categorical values specified by STS) DataLength:

1 Yes 2 No

Long Name: RF-Forced Expiratory Volume Pred	icted	SeqNo:	890
Short Name: FEV1		Core:	Yes
Section Name: Risk Factors		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate the FEV1 % predicted from the	ne most recent pulmonary function test	prior to procedure.	
LowValue: 1 UsualRangeLow:	ACCField: Not mapped		
HighValue: 100 UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: RF-Pulmonary Function Test	Format: Integer		
ParentShortName: PFT	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		

Long Name: DL	CO Test Performed			SeqNo:	892
Short Name: DI				Core:	Yes
Section Name: Ris	sk Factors			Harvest:	Yes
DBTableName Ac	dultData				
Definition: Indica	ate whether a lung diffusion test (	(DLCO) was pe	erformed.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: RF-Pulmonary Function Test	Format:	Text (categorical values specified by STS)		
ParentShortName:	PFT	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	les:				
<u>Co</u>	ode: Value:				
	1 Yes				
	2 No				

STS Adult Cardiac Database		Version: 2.73
Long Name: DLCO Predicted		<i>SeqNo:</i> 893
Short Name: DLCOPred		Core: Yes
Section Name: Risk Factors		Harvest: Yes
DBTableName AdultData		
Definition: Indicate the % predicted DLCO va	lue obtained for the patient.	
LowValue: 10 UsualRangeLow:	ACCField: Not mapped	
HighValue: 150 UsualRangeHigh:	ReportField: NQFFiel	<i>d</i> :
	ModelField: PQRIFie	ld:
Parent Long Name: DLCO Test Performed	Format: Integer	
ParentShortName: DLCO	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Long Name:RF-Arterial Blood GasShort Name:ABGSection Name:Risk FactorsDBTableNameAdultData		SeqNo:900Core:YesHarvest:Yes
Definition: Indicate whether a room-air arteria	l blood gas was performed prior to su	irgery.
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: NQFFiel ModelField: PQRIFie	
Parent Long Name:	Format: Text (categorical specified by STS	
ParentShortName:	DataLength:	
ParentValue:	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: RF-Oxygen Level			SeqNo:	910
Short Name: PO2			Core:	Yes
Section Name: Risk Factors			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate PO2 result on most recent recent	oom air arterial blood gas j	prior to procedure	2.	
LowValue: 40.0 UsualRangeLow:	ACCField: Not map	ped		
HighValue: 500.0 UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: RF-Arterial Blood Gas	Format: Real			
ParentShortName: ABG	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source: User			
Long Name: RF-Carbon Dioxide Level Short Name: PCO2 Section Name: Risk Factors DBTableName AdultData Definition: Indicate PCO2 on most recent room			SeqNo: Core: Harvest:	920 Yes Yes
LowValue: 20.0 UsualRangeLow:	ACCField: Not map	-		
HighValue: 90.0 UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: RF-Arterial Blood Gas	Format: Real			
ParentShortName: ABG	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source: User			

STS Adult Cardiac Dat	abase			Versio	n: 2.73
Long Name: RF-He	ome Oxygen			SeqNo:	930
Short Name: HmO2	2			Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether patient uses suppl	emental oxygen at l	home.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				
Long Name: RF-In	haled Medication or Oral 1	Bronchodilator The	rapy	SeqNo:	940
Short Name: BDTx				Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate					
	whether oral and/or inhale use by the patient routinely		inhaled (not oral or IV) s lure.	teroid medicat	ions
		prior to this procee	· · · · · · · · · · · · · · · · · · ·	teroid medicat	ions
were in u	ise by the patient routinely	prior to this procee	lure.	teroid medicat	ions
were in t	use by the patient routinely UsualRangeLow:	prior to this proceed ACCField:	lure. Not mapped	teroid medicat	ions
were in t	use by the patient routinely UsualRangeLow:	prior to this proces ACCField: ReportField:	lure. Not mapped <i>NQFField:</i>	teroid medicat	ions
were in u LowValue: HighValue:	use by the patient routinely UsualRangeLow:	prior to this proced ACCField: ReportField: ModelField:	lure. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	teroid medicat	ions
were in u LowValue: HighValue: Parent Long Name:	use by the patient routinely UsualRangeLow:	r prior to this proces ACCField: ReportField: ModelField: Format:	dure. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	teroid medicat	ions
were in u LowValue: HighValue: Parent Long Name: ParentShortName:	ise by the patient routinely UsualRangeLow: UsualRangeHigh:	r prior to this proced ACCField: ReportField: ModelField: Format: DataLength:	dure. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	teroid medicat	ions
were in u LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:	ise by the patient routinely UsualRangeLow: UsualRangeHigh:	r prior to this proced ACCField: ReportField: ModelField: Format: DataLength:	dure. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	teroid medicat	ions
were in u LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:	ise by the patient routinely UsualRangeLow: UsualRangeHigh:	r prior to this proced ACCField: ReportField: ModelField: Format: DataLength:	dure. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	teroid medicat	ions

STS Adult Cardiac Dat	abase			Versio	n: 2.73
Long Name: RF-Sl	eep Apnea			SeqNo:	950
Short Name: SlpAp	n			Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
	whether patient has a diago ) therapy.	nosis of sleep apne	a and uses BiPAP (Bilevel	Positive Airw	/ay
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				
Long Name: RF-Li	ver Disease			SeqNo:	960
Short Name: Liver	Dis			Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
	whether the patient has a h eal varices, chronic alcohol	* 1	· · · · · · · ·	ortal hypertens	sion,
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
	Value:				

STS Adult Cardiac Data	abase					Versio	on: 2.73
Long Name: RF-Im	munocompromise					SeqNo:	970
Short Name: ImmSu	upp					Core:	Yes
Section Name: Risk Fa	actors					Harvest:	Yes
DBTableName Adultl	Data						
within 30 manual). chemothe	whether immunocompromise ) days preceding the operative This includes, but is not limi erapy. This does not include teroid therapy or preoperative	e procedure or e ted to systemic topical steroid a	existing steroid	medical cond therapy, anti-	ition ( rejecti	see training	•
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	Yes	PQRIField:	No		
Parent Long Name:		Format:		(categorical va ied by STS)	alues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
Code:	Value:						
1	Yes						
2	No						

STS Adult Cardiac Database		Version:	2.73
Long Name:	RF-Peripheral Arterial Disease	SeqNo:	980
Short Name:	PVD	Core:	Yes
Section Name:	Risk Factors	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient has a history of peripheral arterial disease (includes upper and lower extremity, renal, mesenteric, and abdominal aortic systems). This can include:

- 1. Claudication, either with exertion or at rest,
- 2. Amputation for arterial vascular insufficiency,
- 3. Vascular reconstruction, bypass surgery, or percutaneous intervention to the extremities (excluding dialysis fistulas and vein stripping),
- 4. Documented aortic aneurysm with or without repair,

5. Positive noninvasive test (e.g., ankle brachial index =< 0.9, ultrasound, magnetic resonance or computed tomography imaging of > 50% diameter stenosis in any peripheral artery, i.e., renal, subclavian, femoral, iliac) or angiographic imaging

Peripheral arterial disease excludes disease in the carotid or cerebrovascular arteries.

LowValue:	UsualRangeLow:	ACCField:	Mappe	ed - Definition	and coding
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	Yes	PQRIField:	No
Parent Long Name:		Format:	,	(categorical va Tied by STS)	lues
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes	:				
Code	· Value				

Code: Value: 1 Yes

2 No

	atabase				Vers	on: 2.73
Long Name: RF-C	oma				SeqNo:	990
Short Name: CVD	Coma				Core:	No
Section Name: Risk	Factors				Harvest:	No
DBTableName Adu	tData					
experie	whether the patient has a hist need complete mental unrespo- iate responses to stimulation.					
LowValue:	UsualRangeLow:	ACCField:	Not ma	pped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:	RF-Cerebrovascular Dis	Format:		categorical va ied by STS)	lues	
ParentShortName:	CVD	DataLength:	•	• /		
ParentValue:	= "Yes"	Data Source:	User			
Harvest Codes						
1	<u>Yes</u>					
2						
-	nresponsive Neurologic State				SeqNo:	1000
	spStat				Core:	Yes
Section Name: Risk					Harvest:	Yes
DBTableName Adul		C 1		1 1	• • • • • • • • •	24
Definition: Indicate hours o evidence	tData whether the patient has a hist f the time of surgery. Patient e e of psychological or physiolo perience sudden cardiac death.	experienced con gically appropri	nplete m	ental unrespo	nsiveness and no	
Definition: Indicate hours o evidence	whether the patient has a hist f the time of surgery. Patient e e of psychological or physiolo	experienced con gically appropri	nplete m	ental unrespo onses to stim	nsiveness and no	
Definition: Indicate hours o evidenc who exp	whether the patient has a hist f the time of surgery. Patient e e of psychological or physiolo perience sudden cardiac death.	experienced con gically appropri	nplete m iate resp	ental unrespo onses to stim	nsiveness and no	
Definition: Indicate hours o evidenc who exp LowValue:	whether the patient has a history of the time of surgery. Patient e of psychological or physiolo perience sudden cardiac death. <i>UsualRangeLow:</i>	experienced con gically appropri ACCField:	nplete m iate resp	ental unrespo onses to stime apped	nsiveness and no	
Definition: Indicate hours o evidenc who exp LowValue:	whether the patient has a history of the time of surgery. Patient e of psychological or physiolo perience sudden cardiac death. <i>UsualRangeLow:</i>	experienced con gically appropri ACCField: ReportField:	nplete m late resp Not ma Text (6	ental unrespo onses to stim pped NQFField:	nsiveness and no ulation, includes p	
Definition: Indicate hours o evidenc who exp LowValue: HighValue:	whether the patient has a history of the time of surgery. Patient e of psychological or physiolo perience sudden cardiac death. <i>UsualRangeLow:</i>	ACCField: ReportField: ModelField:	nplete m late resp Not ma Text (6	ental unrespo onses to stimu apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	nsiveness and no ulation, includes p	
Definition: Indicate hours o evidenc who exp LowValue: HighValue: Parent Long Name:	whether the patient has a history of the time of surgery. Patient e of psychological or physiolo perience sudden cardiac death. <i>UsualRangeLow:</i>	experienced con gically appropri ACCField: ReportField: ModelField: Format:	Not ma Text ( specifi	ental unrespo onses to stimu apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	nsiveness and no ulation, includes p	
Definition:Indicate hours of evidence who expLowValue:HighValue:Parent Long Name:ParentShortName:	whether the patient has a hist f the time of surgery. Patient e e of psychological or physiolo perience sudden cardiac death. UsualRangeLow: UsualRangeHigh:	ACCField: ReportField: ModelField: Format: DataLength:	Not ma Text ( specifi	ental unrespo onses to stimu apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	nsiveness and no ulation, includes p	
Definition: Indicate hours o evidence who exp LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes	whether the patient has a hist f the time of surgery. Patient e e of psychological or physiolo perience sudden cardiac death. UsualRangeLow: UsualRangeHigh:	ACCField: ReportField: ModelField: Format: DataLength:	Not ma Text ( specifi	ental unrespo onses to stimu apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	nsiveness and no ulation, includes p	
Definition:Indicate hours of evidence who expLowValue:HighValue:Parent Long Name:ParentShortName: ParentValue: Harvest Codes	whether the patient has a hist f the time of surgery. Patient e e of psychological or physiolo perience sudden cardiac death. <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	ACCField: ReportField: ModelField: Format: DataLength:	Not ma Text ( specifi	ental unrespo onses to stimu apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	nsiveness and no ulation, includes p	

STS Adult Cardiac Database	Version: 2.73
Long Name: RF-Syncope	<i>SeqNo:</i> 1001
Short Name: Syncope	Core: Yes
Section Name: Risk Factors	Harvest: Yes
DBTableName AdultData	

*Definition:* Indicate whether the patient had a sudden loss of consciousness with loss of postural tone, not related to anesthesia, with spontaneous recovery and believed to be related to cardiac condition. Capture events occurring within the past one year as reported by patient or observer. Patient may experience syncope when supine.

LowValue:	UsualRangeLow:	ACCField:	Mapped - Definition and coding
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User

Harvest Codes:

Code: Value: 1 Yes 2 No

Long Name:	RF-Cerebrovascular Dis	SeqNo:	1010
Short Name:	CVD	Core:	Yes
Section Name:	Risk Factors	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient has Cerebro-Vascular Disease, documented by any one of the following: CVA (symptoms > 24 hrs after onset, presumed to be from vascular etiology); TIA (recovery within 24 hrs); Non-invasive carotid test with > 79% diameter occlusion.; or Prior carotid surgery or stenting or prior cerebral aneurysm clipping or coil. Does not include neurological disease processes such as metabolic and/or anoxic ischemic encephalopathy.

LowValue:	UsualRangeLow:	ACCField:	Mapped - Definition and coding
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	Yes PQRIField: No
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	: User
Harvest Codes: <u>Code:</u>	<u>Value:</u>		

1 Yes

Section Name:       Risk Factors       Harvest:       Y         DBTableName       AdultData       Definition:       Indicate whether the patient has a history of stroke (i.e., any confirmed neurological deficit of abruions caused by a disturbance in blood flow to the brain) that did not resolve within 24 hours.         LowValue:       UsualRangeLow:       ACCField:       Mapped - Definition and coding         HighValue:       UsualRangeHigh:       ReportField:       Yes       NQFField:       No         Parent Long Name:       RF-Cerebrovascular Dis       Format:       Text (categorical values specified by STS)       Specified by STS)         ParentShortName:       CVD       DataLength:       ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:	ne: CVA	or CVA					SeqNo:	1020
DBTableName       AdultData         Definition:       Indicate whether the patient has a history of stroke (i.e., any confirmed neurological deficit of abruionset caused by a disturbance in blood flow to the brain) that did not resolve within 24 hours.         LowValue:       UsualRangeLow:       ACCField:       Mapped - Definition and coding         HighValue:       UsualRangeHigh:       ReportField:       Yes       NO         Parent Long Name:       RF-Cerebrovascular Dis       Format:       Text (categorical values specified by STS)         ParentShortName:       CVD       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Value:       1       Yes       Yes         2       No       Core:       Yes       Yes       Yes         DBTableName AdultData       Definition       SeqNo:       10         Stort Name:       CVA When       Core:       Yes         2       No       Yes       Yes       Yes         DBTableName AdultData       Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.       Yes         LowValue:       UsualRangeLow:       ACCField:       Not mapped							Core:	Ye
Definition:       Indicate whether the patient has a history of stroke (i.e., any confirmed neurological deficit of abruronset caused by a disturbance in blood flow to the brain) that did not resolve within 24 hours.         LowValue:       UsualRangeLow:       ACCField:       Mapped - Definition and coding         HighValue:       UsualRangeHigh:       ReportField:       Yes       NOFField:       No         Parent Long Name:       RF-Cerebrovascular Dis       Format:       Text (categorical values specified by STS)         ParentShortName:       CVD       DataLength:       ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Value:       1       Yes       2       No         Long Name:       RF-Prior CVA-When       SeqNo:       10       Yes       Yes         2       No       Core:       Yes       Yes       Yes         2       No       Core:       Yes       Yes         DBTableName       AdultData       Core:       Yes       Yes         Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.       No         LowValue:       UsualRangeLigh:       ReportField:       No       ModelField:       No	ıme: Risk Fa	actors					Harvest:	Ye
onset caused by a disturbance in blood flow to the brain) that did not resolve within 24 hours. LowValue: UsualRangeLow: ACCField: Mapped - Definition and coding HighValue: UsualRangeHigh: ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Parent Long Name: RF-Cerebrovascular Dis Format: Text (categorical values specified by STS) ParentShortName: CVD DataLength: ParentValue: = "Yes" Data Source: User Harvest Codes: <u>Code: Value:</u> 1 Yes 2 No Long Name: RF-Prior CVA-When SeqNo: 100 Short Name: CVAWhen Core: Yes BatableName AdultData Definition: Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote. LowValue: UsualRangeHigh: ReportField: No MQFField: No ModelField: No PQRIField: No ParentShortName: CVA DataLength: ParentShortName: CVA DataLength: Definition: Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote. LowValue: UsualRangeLow: ACCField: Not mapped HighValue: UsualRangeLigh: ReportField: No ModelField: No PQRIField: No Parent Long Name: RF-Prior CVA Format: Text (categorical values specified by STS) ParentShortName: CVA DataLength: ParentValue: = "Yes" Data Source: User Harvest Codes: <u>Code: Value:</u>	ame AdultI	Data						
HighValue:       UsualRangeHigh:       ReportField:       Yes       NQFField:       No         Parent Long Name:       RF-Cerebrovascular Dis       Format:       Text (categorical values specified by STS)         ParentShortName:       CVD       DataLength:       Specified by STS)         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:		1	•			<u> </u>		-
ModelField:       Yes       PQRIField:       No         Parent Long Name:       RF-Cerebrovascular Dis       Format:       Text (categorical values specified by STS)         ParentShortName:       CVD       DataLength:         ParentShortName:       CVD       DataLength:         ParentShortName:       CVD       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:	:	UsualRangeLow:	ACCField:	Mapp	ed - Definition	and c	coding	
Parent Long Name:       RF-Cerebrovascular Dis       Format:       Text (categorical values specified by STS)         ParentShortName:       CVD       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Value:       1       Yes         2       No       SeqNo:       100         Long Name:       RF-Prior CVA-When       SeqNo:       100         Short Name:       CVAWhen       Core:       Yes         2       No       Section Name:       Risk Factors       Harvest:       Yes         DBTableName       AdultData       Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.       No         LowValue:       UsualRangeLow:       ACCField:       Not mapped         HighValue:       UsualRangeHigh:       ReportField:       No       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         Parent Long Name:       CVA       DataLength:       No         ParentShortName:	2:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
ParentShortName:       CVD       DataLength:         ParentShortName:       CVD       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Value:       1       Yes         2       No       SeqNo:       10         Long Name:       RF-Prior CVA-When       SeqNo:       10         Short Name:       CVAWhen       Core:       Yes         2       No       DBTableName       AdultData         Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.       No         LowValue:       UsualRangeLow:       ACCField:       No       No Field:       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)       Specified by STS)         Parent Long Name:       RF-Prior CVA       DataLength:       ParentShortName:       CVA       DataLength:         ParentShortName:       CVA       Data Source:       User       Harvest Codes:       Code:       Yes"         Low       Code:       Yes"       Data Source:       User       Yes"       Yes"			ModelField:	Yes	PQRIField:	No		
ParentValue: = "Yes" Data Source: User Harvest Codes: <u>Code:</u> Value: 1 Yes 2 No Long Name: RF-Prior CVA-When SeqNo: 10 Short Name: <b>CVAWhen</b> Core: Y Section Name: Risk Factors Harvest: Y DBTableName AdultData Definition: Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote. LowValue: UsualRangeLow: ACCField: Not mapped HighValue: UsualRangeHigh: ReportField: No NQFField: No ModelField: No PQRIField: No Parent Long Name: RF-Prior CVA Format: Text (categorical values specified by STS) ParentShortName: CVA DataLength: ParentValue: = "Yes" Data Source: User Harvest Codes: <u>Code:</u> Value:	ng Name: R	RF-Cerebrovascular Dis	Format:			lues		
Harvest Codes: <u>Code:</u> Value: 1 Yes 2 No Long Name: RF-Prior CVA-When SeqNo: 10 Short Name: <b>CVAWhen</b> Core: M Section Name: Risk Factors Harvest: M DBTableName AdultData Definition: Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote. LowValue: UsualRangeLow: ACCField: Not mapped HighValue: UsualRangeLigh: ReportField: No NQFField: No ModelField: No PQRIField: No Parent Long Name: RF-Prior CVA Format: Text (categorical values specified by STS) ParentShortName: CVA DataLength: ParentValue: = "Yes" Data Source: User Harvest Codes: <u>Code:</u> Value:	rtName: C	VD	DataLength:	-	-			
Code:       Value:         1       Yes         2       No         Long Name:       RF-Prior CVA-When         Short Name:       CVAWhen         Section Name:       Risk Factors         BableName       AdultData         Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.         LowValue:       UsualRangeLow:         ACCField:       Not mapped         HighValue:       UsualRangeHigh:         ReportField:       No         Parent Long Name:       RF-Prior CVA         Format:       Text (categorical values specified by STS)         ParentShortName:       CVA         ParentShortName:       CVA         Harvest Codes:       Code:         Value:       Value:	ue: =	"Yes"	Data Source:	User				
Code:       Value:         1       Yes         2       No         Long Name:       RF-Prior CVA-When         Short Name:       CVAWhen         Section Name:       Risk Factors         BableName       AdultData         Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.         LowValue:       UsualRangeLow:         ACCField:       Not mapped         HighValue:       UsualRangeHigh:         ReportField:       No         Parent Long Name:       RF-Prior CVA         Format:       Text (categorical values specified by STS)         ParentShortName:       CVA         ParentShortName:       CVA         Harvest Codes:       Code:         Value:       Value:	west Codes:							
1       Yes         2       No         Long Name:       RF-Prior CVA-When       SeqNo:       10         Short Name:       CVAWhen       Core:       No         Section Name:       Risk Factors       Harvest:       No         DBTableName       AdultData         Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.         LowValue:       UsualRangeLow:       ACCField:       Not mapped         HighValue:       UsualRangeHigh:       ReportField:       No         ModelField:       No       PQRIField:       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         ParentShortName:       CVA       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Yalue:       Yalue:		Value						
2 No         Long Name:       RF-Prior CVA-When       SeqNo:       10         Short Name:       CVAWhen       Core:       No         Section Name:       Risk Factors       Harvest:       No         DBTableName       AdultData         Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.         LowValue:       UsualRangeLow:       ACCField:       Not mapped         HighValue:       UsualRangeHigh:       ReportField:       No         ModelField:       No       PQRIField:       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         ParentShortName:       CVA       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Value:       Value:								
Long Name:       RF-Prior CVA-When       SeqNo:       10         Short Name:       CVAWhen       Core:       Y         Section Name:       Risk Factors       Harvest:       Y         DBTableName       AdultData       Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.       No         LowValue:       UsualRangeLow:       ACCField:       Not mapped         HighValue:       UsualRangeHigh:       ReportField:       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         ParentShortName:       CVA       Data Source:       User         Harvest Codes:       Code:       Value:       Value:	_							
Short Name: CVAWhen Core: M Section Name: Risk Factors Harvest: M DBTableName AdultData Definition: Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote. LowValue: UsualRangeLow: ACCField: Not mapped HighValue: UsualRangeHigh: ReportField: No NQFField: No ModelField: No PQRIField: No Parent Long Name: RF-Prior CVA Format: Text (categorical values specified by STS) ParentShortName: CVA DataLength: ParentValue: = "Yes" Data Source: User Harvest Codes: Code: Value:								
Section Name: Risk Factors       Harvest:       Marvest:       Marve	e: RF-Pri	or CVA-When					SeqNo:	1030
DBTableName       AdultData         Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.         LowValue:       UsualRangeLow:       ACCField:       Not mapped         HighValue:       UsualRangeHigh:       ReportField:       No       NQFField:       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         ParentShortName:       CVA       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Value:       Value:       Value:								Ye
Definition:       Indicate when the CVA events occurred. Those events occurring within two weeks of the surgical procedure are considered recent, while all others are considered remote.         LowValue:       UsualRangeLow:       ACCField:       Not mapped         HighValue:       UsualRangeHigh:       ReportField:       No       NQFField:       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)       ParentShortName:       CVA       DataLength:         ParentValue:       = "Yes"       Data Source:       User         Harvest Codes:       Code:       Value:       Value:       Value:	<i>ume:</i> Risk Fa	actors					Harvest:	Ye
procedure are considered recent, while all others are considered remote.         LowValue:       UsualRangeLow:       ACCField:       Not mapped         HighValue:       UsualRangeHigh:       ReportField:       No       NQFField:       No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)       Strengthered by STS)         ParentShortName:       CVA       Data Source:       User         Harvest Codes:       Code:       Value:       Value:	ame AdultI	Data						
HighValue:       UsualRangeHigh:       ReportField: No       NQFField: No         Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         ParentShortName:       CVA       DataLength:         ParentValue:       = "Yes"       Data Source:         UsualRangeHigh:       Long Name:       UsualRangeHigh:         ParentShortName:       CVA       DataLength:         ParentValue:       = "Yes"       Data Source:         User       User					-	o wee	eks of the sur	gical
ModelField: No       PQRIField: No         Parent Long Name: RF-Prior CVA       Format: Text (categorical values specified by STS)         ParentShortName: CVA       DataLength:         ParentValue:       = "Yes"         Harvest Codes:       Code: Value:	;	UsualRangeLow:	ACCField:	Not m	apped			
Parent Long Name:       RF-Prior CVA       Format:       Text (categorical values specified by STS)         ParentShortName:       CVA       DataLength:         ParentValue:       = "Yes"       Data Source:         User       Harvest Codes:       Code:         Value:       Value:       Value:	?:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
ParentShortName:     CVA     DataLength:       ParentValue:     = "Yes"     Data Source:       User     User       Harvest Codes:     Code:       Value:     Value:			ModelField:	No	PQRIField:	No		
ParentValue:       = "Yes"       Data Source: User         Harvest Codes:	ng Name: R	RF-Prior CVA	Format:			lues		
Harvest Codes: <u>Code:</u> <u>Value:</u>		VA	DataLength:					
Code: Value:	rtName: C	"Yes"	Data Source:	User				
1 Pacent $(-2)$ wk	ue: =							
1 Recent $(-2 \text{ wr.})$	<i>ue:</i> = vvest Codes:	Value:						
ModelField: No       PQRIField: No         Parent Long Name: RF-Prior CVA       Format: Text (categorical values specified by STS)         ParentShortName: CVA       DataLength:         ParentValue:       = "Yes"         Harvest Codes:       Code: Value:	Code: 1 2 e: RF-Prio ne: CVAW ume: Risk Fa lame AdultI : Indicate v procedure	Yes No or CVA-When When actors Data when the CVA events occ e are considered recent, w <i>UsualRangeLow:</i>	while all others are c ACCField:	onside Not m	red remote.		Core: Harvest:	gi

STS Adult Cardiac Database	Version: 2.73
Long Name: RF-CVD RIND	SeqNo: 1040
Short Name: CVDRIND	Core: No
Section Name: Risk Factors	Harvest: No
DBTableName AdultData	
	s a history of a Reversible Ischemic Neurologic Deficit (RIND): neurological function with symptoms at least 24 hours after onset but n within 72 hours.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: RF-Cerebrovascular Di	is Format: Text (categorical values specified by STS)
ParentShortName: CVD	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes:	
Code: Value:	
1 Yes	
2 No	
Long Name: RF-CVD TIA	<i>SeqNo:</i> 1050
Short Name: CVDTIA	Core: Yes
Section Name: Risk Factors	Harvest: Yes
DBTableName AdultData	
Definition. Indicate	
	s a history of a Transient Ischemic Attack (TIA): Patient has a history that was abrupt in onset but with complete return of function within
of loss of neurological function	
of loss of neurological function 24 hours.	that was abrupt in onset but with complete return of function within
of loss of neurological function 24 hours. LowValue: UsualRangeLow:	that was abrupt in onset but with complete return of function within <i>ACCField:</i> Not mapped
of loss of neurological function 24 hours. LowValue: UsualRangeLow:	a that was abrupt in onset but with complete return of function within         ACCField:       Not mapped         ReportField:       No       NQFField:       No         ModelField:       No       PQRIField:       No
of loss of neurological function 24 hours. LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	a that was abrupt in onset but with complete return of function within         ACCField:       Not mapped         ReportField:       No       NQFField:       No         ModelField:       No       PQRIField:       No         is       Format:       Text (categorical values
of loss of neurological function 24 hours. LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: RF-Cerebrovascular Di	a that was abrupt in onset but with complete return of function within         ACCField:       Not mapped         ReportField:       No       NQFField:       No         ModelField:       No       PQRIField:       No         is       Format:       Text (categorical values specified by STS)
of loss of neurological function 24 hours. LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: RF-Cerebrovascular Di ParentShortName: CVD	a that was abrupt in onset but with complete return of function within         ACCField:       Not mapped         ReportField:       No         NodelField:       No         PQRIField:       No         is       Format:         Text (categorical values specified by STS)         DataLength:
of loss of neurological function 24 hours. LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: RF-Cerebrovascular Di ParentShortName: CVD ParentValue: = "Yes"	a that was abrupt in onset but with complete return of function within         ACCField:       Not mapped         ReportField:       No         NodelField:       No         PQRIField:       No         is       Format:         Text (categorical values specified by STS)         DataLength:
of loss of neurological function 24 hours. LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: RF-Cerebrovascular Di ParentShortName: CVD ParentValue: = "Yes" Harvest Codes:	a that was abrupt in onset but with complete return of function within         ACCField:       Not mapped         ReportField:       No         NodelField:       No         PQRIField:       No         is       Format:         Text (categorical values specified by STS)         DataLength:

STS Adult Cardiad	: Database			Versio	on: 2.73
Long Name: R	F-CVD NonInvas >75%			SeqNo:	1060
Short Name: C	VDNInvas			Core:	No
Section Name: Ri	sk Factors			Harvest:	No
DBTableName A	dultData				
	cate whether the patient has a hi	story of a Non-in	vasive/invasive carotid te	est with greater	than
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: N	0	
		ModelField:	No PQRIField: N	0	
Parent Long Nam	e: RF-Cerebrovascular Dis	Format:	Text (categorical value specified by STS)	S	
ParentShortName	2: CVD	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	adas.				
	Code: Value:				
<u> </u>	1 Yes				
	2 No				
Long Name: R	F-CVD Carotid Stenosis			SeqNo:	1070
	VDCarSten			Core:	Yes
Section Name: Ri	isk Factors			Harvest:	Yes
DBTableName A					
Definition: Indi	cate which carotid artery was de	etermined from an	y diagnostic test to be me	ore than 79% st	enotic.
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nam	e: RF-Cerebrovascular Dis	Format:	Text (categorical value specified by STS)	S	
ParentShortName	e: CVD	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	odes:				
	Code: Value:				
<u>C</u>					
<u>C</u>	1 None				
<u>C</u>	1 None 2 Right				
<u>C</u>					

STS Adult Cardiac Database			Versic	on: 2.73
Long Name: RF-CVD Carotid Stenosis - Right			SeqNo:	107
Short Name: CVDStenRt			Core:	Ye
Section Name: Risk Factors			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate the severity of stenosis report	ted on the right	carotid artery.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: RF-CVD Carotid Stenosis	Format:	Text (categorical values specified by STS)		
ParentShortName: CVDCarSten	DataLength:			
<i>ParentValue:</i> = "Right" or "Both"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> Value:				
1 80% to 99%				
2 100 %				
Long Name: RF-CVD Carotid Stenosis - Left			SeqNo:	1072
Short Name: CVDStenLft			Core:	Yes
Section Name: Risk Factors			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate the severity of stenosis report	ted on the left ca	arotid artery.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: RF-CVD Carotid Stenosis	Format:	Text (categorical values specified by STS)		
ParentShortName: CVDCarSten	DataLength:			
<i>ParentValue:</i> = "Left" or "Both"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 80% to 99%				
2 100%				

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: RF-CVD Prior Carotid Surgery					SeqNo:	1080
Short Name: CVDPCarSurg					Core:	Yes
Section Name: Risk Factors					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether the patient has a his	story of previous	carotid	artery surgery	and/c	or stenting.	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: RF-Cerebrovascular Dis	Format:		(categorical va fied by STS)	lues		
ParentShortName: CVD	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: RF-Illicit Drug Use					SeqNo:	1130
Short Name: IVDrugAb					Core:	Yes
Section Name: Risk Factors					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate whether patient has a history regardless of route of administration.				rijuana	, cocaine, or	meth,
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:		NQFField:			
	ModelField:		PQRIField:			
Parent Long Name:	Format:		(categorical va fied by STS)	lues		
ParentShortName:	DataLength:					
ParentValue:	Data Source.	User				
Harvest Codes:						
Harvest Codes: <u>Code:</u> <u>Value:</u>						

STS Adult Cardiac Dat	abase			Versio	on: 2.73
Long Name: RF-Al	cohol Use			SeqNo:	1131
Short Name: Alcoh	ol			Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
Definition: Specify a	alcohol consumption history.				
LowValue:	UsualRangeLow:	ACCField:	Mapped - Definition and	coding	
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source.	: User		
Harvest Codes:					
Code:	Value:				
1	<= 1 drink/week				
2	2-7 drinks/week				
3	>= 8 drinks/week				
Long Name: RF-Pn	eumonia			SeqNo:	1140
Short Name: Pneum	nonia			Core:	Yes
Section Name: Risk F	actors			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether patient has a recent o	or remote histor	y of pneumonia.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source.	: User		
Harvest Codes a	and Value Definitions:				
Code:	Value:	Definitio	<u>n:</u>		
1	No				
2	Recent	Within 1	month of procedure		
3	Remote	More that	n 1 month prior to procedu	ire	

STS Adult Cardiac Data	abase			Versic	n: 2.73
Long Name: RF-Me	ediastinal Radiation			SeqNo:	1150
Short Name: Medias	stRad			Core:	Yes
Section Name: Risk Fa	actors			Harvest:	Yes
DBTableName AdultI	Data				
Definition: Indicate v	whether patient has a histor	y of radiation the	rapy to the mediastinum or	chest.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				
Long Name: RF-Car	ncer Within 5 Years			SeqNo:	1160
Short Name: Cancer	r			Core:	Yes
Section Name: Risk Fa	actors			Harvest:	Yes
DBTableName AdultI	Data				
	whether the patient has a his ow grade skin cancers such			procedure. De	o not
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
		DataLength:			
ParentShortName:		DataBengin			
ParentShortName: ParentValue:		Data Source:	User		
		-	User		
ParentValue: Harvest Codes:	Value:	-	User		
ParentValue: Harvest Codes:	<u>Value:</u> Yes	-	User		

SeqNo: 1161 Core: Yes Harvest: Yes s done. CField: Not mapped ortField: NQFField: lelField: PQRIField:
Harvest: Yes s done. CField: Not mapped portField: NQFField:
s done. <i>CField:</i> Not mapped <i>ortField: NQFField:</i>
CField: Not mapped ortField: NQFField:
CField: Not mapped ortField: NQFField:
ortField: NQFField:
lelField: PORIField:
~
nat: Text (categorical values specified by STS)
aLength:
a Source: User
SeqNo: 1170
Core: Yes
Harvest: Yes
nt to walk 5 meters for the first of three tests.
<i>CField:</i> Not mapped
prtField: NQFField:
lelField: PQRIField:
nat: Integer
1Length:
a Source: User

STS Adult Cardiac Database	Version: 2.73
Long Name: RF-Five Meter Walk Time 2	<i>SeqNo:</i> 1180
Short Name: FiveMWalk2	Core: Yes
Section Name: Risk Factors	Harvest: Yes
DBTableName AdultData	
Definition: Indicate the time in seconds it takes the patient to walk 5 m	neters for the second of three tests.
LowValue: 1 UsualRangeLow: 2 ACCField: Not	mapped
HighValue: 100 UsualRangeHigh: 20 ReportField:	NQFField:
ModelField:	PQRIField:
Parent Long Name: RF-Five Meter Walk Test Format: Int Done	eger
ParentShortName: FiveMWalkTest DataLength:	
ParentValue: = "Yes" Data Source: Us	er.
Long Name: RF-Five Meter Walk Time 3 Short Name: FiveMWalk3	SeqNo: 1190 Core: Yes
Section Name: Risk Factors	Harvest: Yes
DBTableName AdultData	
<i>Definition:</i> Indicate the time in seconds it takes the patient to walk 5 r	
-	mapped
HighValue: 100 UsualRangeHigh: 20 ReportField:	NQFField:
ModelField:	PQRIField:
Parent Long Name:         RF-Five Meter Walk Test         Format:         Int           Done         Int         Int         Int         Int	eger
ParentShortName: FiveMWalkTest DataLength:	
<i>ParentValue:</i> = "Yes" <i>Data Source:</i> Us	

STS Adult Cardiac Database	Version: 2.7	3
Long Name: Prev Cardiac Intervent	SeqNo: 120	0
Short Name: PrCVInt	Core: Ye	ès
Section Name: Previous Cardiac Interventions	Harvest: Ye	2S
DBTableName AdultData		
	ergone any previous cardiovascular intervention, either surgical those done during the current admission. This may include	
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No	
	ModelField: No PQRIField: No	
Parent Long Name:	<i>Format:</i> Text (categorical values specified by STS)	
ParentShortName:	DataLength:	
ParentValue:	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		
Long Name: Prev CAB	SeqNo: 121	5
Short Name: PrCAB	Core: Ye	es
Section Name: Previous Cardiac Interventions	Harvest: Ye	es
DBTableName AdultData		
Definition: Indicate whether the patient had a patient	revious Coronary Bypass Graft prior to the current admission.	
LowValue: UsualRangeLow:	ACCField: Mapped - Definition and coding	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: Yes	
	ModelField: Yes PQRIField: Yes	
Parent Long Name: Prev Cardiac Intervent	Format: Text (categorical values specified by STS)	
ParentShortName: PrCVInt	DataLength:	
ParentValue: = "Yes"	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		
		-

STS Adult Cardiac Database						Versio	on: 2.73
Long Name: Prev Valve						SeqNo:	1216
Short Name: PrValve						Core:	Yes
Section Name: Previous Cardiac Ir	nterventions					Harvest:	Yes
DBTableName AdultData							
Definition: Indicate whether the p valve. This may also					gical 1	repair of a ca	rdiac
LowValue: UsualRang	eLow: A	CCField:	Mappe	d - Definition	and c	oding	
HighValue: UsualRang	eHigh: Re	eportField:	Yes	NQFField:	No		
	М	odelField:	Yes	PQRIField:	Yes		
Parent Long Name: Prev Cardiac	Intervent Fe	ormat:		categorical va ied by STS)	lues		
ParentShortName: PrCVInt	$D_{i}$	ataLength:					
<i>ParentValue:</i> = "Yes"	D	ata Source:	User				
Harvest Codes:							
Code: Value:							
1 Yes							
2 No							
Long Names Dravious procedure	A ortio Volvo Dopl	accoment S	urgigal			SecNo	1220
· ·	e - Aortic Valve Repl	acement - S	urgical			SeqNo: Core:	1220 Ves
Short Name: PrevProcAVRepla	ce	acement - S	urgical			Core:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In	ce	acement - S	urgical			•	
Short Name: PrevProcAVRepla Section Name: Previous Cardiac Ir DBTableName AdultData	<b>ce</b> nterventions		-	rtic valve repla		Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pre	<b>ce</b> nterventions evious procedure incl	luded a surg	gical ao	_		Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pro LowValue: UsualRang	ce nterventions evious procedure incl reLow: A	luded a surg CCField:	gical aon Not ma	apped	aceme	Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pre	ce nterventions evious procedure incl eLow: A eHigh: Re	luded a surg	gical aon Not ma Yes	apped NQFField:	aceme No	Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pro LowValue: UsualRang HighValue: UsualRang	ce nterventions evious procedure incl eeLow: Ac eeHigh: Ra M	luded a surg CCField: eportField:	gical aon Not ma Yes No Text (	apped	aceme No No	Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pro LowValue: UsualRang HighValue: UsualRang Parent Long Name: Prev Valve	ce nterventions evious procedure incl eLow: Ac eHigh: Ra M Fo	luded a surg CCField: eportField: fodelField:	gical aon Not ma Yes No Text (	apped NQFField: PQRIField: categorical va	aceme No No	Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pro LowValue: UsualRang HighValue: UsualRang Parent Long Name: Prev Valve	ce nterventions evious procedure incl eLow: Ac reHigh: Ra M Fa	luded a surg CCField: eportField: odelField: ormat:	gical aon Not ma Yes No Text ( specif	apped NQFField: PQRIField: categorical va	aceme No No	Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pro LowValue: UsualRang HighValue: UsualRang Parent Long Name: Prev Valve ParentShortName: PrValve	ce nterventions evious procedure incl eLow: Ac reHigh: Ra M Fa	luded a surg CCField: eportField: odelField: ormat: ataLength:	gical aon Not ma Yes No Text ( specif	apped NQFField: PQRIField: categorical va	aceme No No	Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pro LowValue: UsualRang HighValue: UsualRang Parent Long Name: Prev Valve ParentShortName: PrValve ParentValue: = "Yes"	ce nterventions evious procedure incl eLow: Ac reHigh: Ra M Fa	luded a surg CCField: eportField: odelField: ormat: ataLength:	gical aon Not ma Yes No Text ( specif	apped NQFField: PQRIField: categorical va	aceme No No	Core: Harvest:	Yes
Short Name: PrevProcAVRepla Section Name: Previous Cardiac In DBTableName AdultData Definition: Indicate whether a pro LowValue: UsualRang HighValue: UsualRang Parent Long Name: Prev Valve ParentShortName: PrValve ParentValue: = "Yes" Harvest Codes:	ce nterventions evious procedure incl eLow: Ac reHigh: Ra M Fa	luded a surg CCField: eportField: odelField: ormat: ataLength:	gical aon Not ma Yes No Text ( specif	apped NQFField: PQRIField: categorical va	aceme No No	Core: Harvest:	Yes

	······································		1				n: 2.73
-	evious procedure - Aortic Val	ive Repair - Surgica	11			SeqNo:	123
	revProcAVRepair evious Cardiac Interventions					Core:	Ye
						Harvest:	Ye
DBTableName A					_		
Definition: India	cate whether a previous proce	dure included a sur	gical ac	ortic valve repa	ir.		
LowValue:	UsualRangeLow:	ACCField:	Not m	napped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Nam	e: Prev Valve	Format:		(categorical va fied by STS)	lues		
ParentShortName	: PrValve	DataLength:					
ParentValue:	= "Yes"	Data Source.	User				
Harvest Co	des:						
	ode: Value:						
-	1 Yes						
	2 No						
	2 No						
Long Name: Pr	2 No revious procedure - Mitral Val	ve Replacement - S	Surgical	1		SeqNo:	1240
-		ve Replacement - S	Surgical	l		SeqNo: Core:	
Short Name: P	revious procedure - Mitral Val	ve Replacement - S	Surgical	l		•	Ye
Short Name: P	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions	ve Replacement - S	Surgical	l		Core:	Ye
Short Name: Pr Section Name: Pr DBTableName A	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions	-			acem	Core: Harvest:	Yes
Short Name: Pr Section Name: Pr DBTableName A	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData	-	gical m		acem	Core: Harvest:	Yes
Short Name: Pr Section Name: Pr DBTableName A Definition: India	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced	dure included a sur	gical m Not m	itral valve repl		Core: Harvest:	Yes
Short Name: Pr Section Name: Pr DBTableName A Definition: India LowValue:	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced UsualRangeLow:	dure included a sur ACCField: ReportField:	gical m Not m Yes	itral valve repl napped	No	Core: Harvest:	Ye
Short Name: Pr Section Name: Pr DBTableName A Definition: India LowValue:	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced UsualRangeLow: UsualRangeHigh:	dure included a sur ACCField: ReportField:	gical m Not m Yes No Text	itral valve repl happed NQFField:	No No	Core: Harvest:	124( Ye: Ye:
Short Name: Pr Section Name: Pr DBTableName A Definition: India LowValue: HighValue: Parent Long Nam	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced UsualRangeLow: UsualRangeHigh: e: Prev Valve	dure included a sur ACCField: ReportField: ModelField:	gical m Not m Yes No Text	itral valve repl happed <i>NQFField: PQRIField:</i> (categorical va	No No	Core: Harvest:	Ye
Short Name: Pr Section Name: Pr DBTableName A Definition: India LowValue: HighValue: Parent Long Nam	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced UsualRangeLow: UsualRangeHigh: e: Prev Valve	dure included a surg ACCField: ReportField: ModelField: Format:	gical m Not m Yes No Text speci	itral valve repl happed <i>NQFField: PQRIField:</i> (categorical va	No No	Core: Harvest:	Ye
Short Name: Pr Section Name: Pr DBTableName A Definition: India LowValue: HighValue: Parent Long Nam ParentShortName	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> e: Prev Valve :: PrValve = "Yes"	dure included a sur ACCField: ReportField: ModelField: Format: DataLength:	gical m Not m Yes No Text speci	itral valve repl happed <i>NQFField: PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes
Short Name: Pr Section Name: Pr DBTableName A Definition: India LowValue: HighValue: Parent Long Nam ParentShortName ParentValue: Harvest Co	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> e: Prev Valve :: PrValve = "Yes"	dure included a sur ACCField: ReportField: ModelField: Format: DataLength:	gical m Not m Yes No Text speci	itral valve repl happed <i>NQFField: PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes
Short Name: Pr Section Name: Pr DBTableName A Definition: India LowValue: HighValue: Parent Long Nam ParentShortName ParentValue: Harvest Co	revious procedure - Mitral Val revProcMVReplace evious Cardiac Interventions dultData cate whether a previous proced UsualRangeLow: UsualRangeHigh: e: Prev Valve : PrValve = "Yes" des:	dure included a sur ACCField: ReportField: ModelField: Format: DataLength:	gical m Not m Yes No Text speci	itral valve repl happed <i>NQFField: PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes

STS Adult Cardiac							on: 2.73
-	evious procedure - Mitral Val	lve Repair - Surgica	l			SeqNo:	1250
	evProcMVRepair					Core:	Yes
	vious Cardiac Interventions				د	Harvest:	Yes
DBTableName Ad							
Definition: Indica	ate whether a previous proce	dure included a surg	gical mi	itral valve repai	ir.		
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	Prev Valve	Format:		(categorical val fied by STS)	ues		
ParentShortName:	PrValve	DataLength:					
ParentValue:	= "Yes"	Data Source:	User				
Harvest Cod	les:						
<u>Co</u>	ode: Value:						
	1 Yes						
	2 No						
Long Name: Pre	evious procedure - Tricuspid	Valve Replacement	- Surg	ical		SeqNo:	1260
-	evProcTVReplace		2018			Core:	Yes
	vious Cardiac Interventions					Harvest:	Yes
DBTableName Ad							
	ate whether a previous proce	dure included a surg	gical tri	cuspid valve re	placer	ment.	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	: Prev Valve	Format:		(categorical val fied by STS)	lues		
ParentShortName:	PrValve	DataLength:					
ParentValue:	= "Yes"	Data Source:	User				
Harvest Cod	les:						
~	ode: Value:						
<u>Co</u>							
<u>Co</u>	1 Yes						

STS Adult Cardiac Database					Versio	n: 2.73
Long Name: Previous procedure - Tricuspid Va	lve Repair - Surg	gical			SeqNo:	127
Short Name: PrevProcTVRepair					Core:	Ye
Section Name: Previous Cardiac Interventions					Harvest:	Ye
DBTableName AdultData						
Definition: Indicate whether a previous procedur	re included a surg	gical tri	icuspid valve r	epair		
LowValue: UsualRangeLow:	ACCField:	Not m	napped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Prev Valve	Format:		(categorical va fied by STS)	lues		
ParentShortName: PrValve	DataLength:					
ParentValue: = "Yes"	Data Source:	User				
Harvest Codes:						
<u>Code: Value:</u>						
$\frac{1}{1}$ Yes						
2 No						
Long Names - Providus procedure - Pulmonia Va	lua Danair / Dan	lacomo	nt Surgical		SeqNo:	1280
Long Name: Previous procedure - Pulmonic Va Short Name: <b>PrevProcPV</b>	iive Repaii / Rep	lacenne	in - Surgicai		Core:	Ye
Section Name: Previous Cardiac Interventions					Harvest:	Ye
DBTableName AdultData						
<i>Definition:</i> Indicate whether a previous procedur	re included a sur	gical pu	ulmonic valve	repair	or replaceme	nt.
LowValue: UsualRangeLow:	ACCField:		napped	1	Ĩ	
	ReportField:	Yes	NOFField:	No		
	ReportField: ModelField:		NQFField: PORIField:			
	*	No Text	PQRIField: (categorical va	No		
HighValue: UsualRangeHigh:	ModelField:	No Text	PQRIField:	No		
HighValue: UsualRangeHigh: Parent Long Name: Prev Valve ParentShortName: PrValve	ModelField: Format:	No Text speci	PQRIField: (categorical va	No		
HighValue: UsualRangeHigh: Parent Long Name: Prev Valve ParentShortName: PrValve	ModelField: Format: DataLength:	No Text speci	PQRIField: (categorical va	No		
HighValue:UsualRangeHigh:Parent Long Name:Prev ValveParentShortName:PrValveParentValue:= "Yes"	ModelField: Format: DataLength:	No Text speci	PQRIField: (categorical va	No		
HighValue: UsualRangeHigh: Parent Long Name: Prev Valve ParentShortName: PrValve ParentValue: = "Yes" Harvest Codes:	ModelField: Format: DataLength:	No Text speci	PQRIField: (categorical va	No		

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: Previous Procedure - Aortic Valve	e Balloon Valvulo	oplasty	SeqNo:	128
Short Name: PrevProcAVBall			Core:	Ye
Section Name: Previous Cardiac Interventions			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether a previous procedure	re included an ao	rtic balloon valvuloplasty.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Prev Valve	Format:	Text (categorical values specified by STS)		
ParentShortName: PrValve	DataLength:			
ParentValue: = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
$\frac{1}{1}$ Yes				
2 No				
T W D. S. D. L. World, I.	D.11	-1- <i>i</i>	C N	120/
Long Name: Previous Procedure - Mitral Valve	Balloon Valvulo	plasty	SeqNo:	1290 V
Short Name: PrevProcMVBall			Core:	Ye
Section Name: Previous Cardiac Interventions			Harvest	Ve
			Harvest:	Ye
DBTableName AdultData	re included a mit	al valve balloon valvulon		Ye
<i>DBTableName</i> AdultData <i>Definition:</i> Indicate whether a previous procedur		_		Ye
Section Name: Previous Cardiac Interventions DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField:	Not mapped		Ye
<i>DBTableName</i> AdultData <i>Definition:</i> Indicate whether a previous procedur	ACCField: ReportField:	Not mapped Yes <i>NQFField:</i> No		Ye
DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField:	Not mapped Yes <i>NQFField:</i> No No <i>PQRIField:</i> No		Ye
DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField: ReportField:	Not mapped Yes <i>NQFField:</i> No		Ye
DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Prev Valve	ACCField: ReportField: ModelField:	Not mapped Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values		Ye
DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Prev Valve ParentShortName: PrValve	ACCField: ReportField: ModelField: Format:	Not mapped Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values specified by STS)		Ye
DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Prev Valve ParentShortName: PrValve	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values specified by STS)		Ye
DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Prev Valve ParentShortName: PrValve ParentValue: = "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values specified by STS)		Ye
DBTableName AdultData Definition: Indicate whether a previous procedur LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Prev Valve ParentShortName: PrValve ParentValue: = "Yes" Harvest Codes:	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values specified by STS)		Ye

STS Adult Cardiac Database					Versic	on: 2.73
Long Name: Previous Procedure - Transcathet	er Valve Replace	nent			SeqNo:	1300
Short Name: PrevProcTCVRep					Core:	Yes
Section Name: Previous Cardiac Interventions					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether a previous proceed	ure included a trar	scathet	er valve replac	cemer	nt.	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Prev Valve	Format:		(categorical va fied by STS)	lues		
ParentShortName: PrValve	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: Previous Procedure - Percutaneou	us Valve Renair				SeqNo:	1310
Short Name: PrevProcPercVRepair	us valve Repair				Core:	Yes
Section Name: Previous Cardiac Interventions					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether a previous procedu	ure included a per-	cutaneo	us valve repai	r.		
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Prev Valve	Format:		(categorical va fied by STS)	lues		
ParentShortName: PrValve	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						

STS Adult Cardiac Dat	abase			Versic	on: 2.73
Long Name: Indicat	tion for Reoperation			SeqNo:	1340
Short Name: IndRe	ор			Core:	Yes
Section Name: Previo	us Cardiac Interventions			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	the primary reason for repeat	valve procedur	e.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: H	Prev Valve	Format:	Text (categorical values specified by STS)		
ParentShortName: P	rValve	DataLength:			
ParentValue: =	"Yes"	Data Source	: User		
Harvest Codes a	and Value Definitions:				
Code:	Value:	Definitio	<u>n:</u>		
1	Structural Prosthetic Valve Deterioration	Wear, fra	acture, poppet escape, calci ep	ification, leafle	et tear,
2	Non-structural prosthetic valve dysfunction		ent by pannus, paravalvular riate sizing,	r leak, obstruct	tion,
3	Prosthetic valve endocarditi	s Infection	, active or treated		
4	Valve Thrombosis				
5	Failed Repair				
6	Repeat valve procedure on a different valve	ì			
7	Other				

STS Adult Cardiac Database			Versic	on: 2.73
Long Name: Non-Structural Valve Dysfunction			SeqNo:	1350
Short Name: NonStVDys			Core:	Yes
Section Name: Previous Cardiac Interventions			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the primary type of nonstruct	tural valve dysfu	nction.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Indication for Reoperation	Format:	Text (categorical values specified by STS)		
ParentShortName: IndReop	DataLength:			
<i>ParentValue:</i> = "Non-structural prosthetic valve dysfunction"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Paravalvular Leak				
2 Hemolysis				
3 Entrapment by pannus, tiss or suture	ue,			
4 Sizing or positioning issue				
5 Other				
Long Name: Exact Date of Previous Valve Proc	edure Known		SeqNo:	1410
Short Name: PrValDtKnown			Core:	Yes
Section Name: Previous Cardiac Interventions			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether the exact date of the	previous valve	procedure is known.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Prev Valve	Format:	Text (categorical values specified by STS)		
ParentShortName: PrValve	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

Long Name:	Date of Previous Valve Procedure	SeqNo:	1420
Short Name:	PrValveDate	Core:	Yes
Section Name:	· Previous Cardiac Interventions	Harvest:	Yes
DBTableName	e AdultData		

Definition: Indicate the date on which the previous valve procedure was performed.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Exact Date of Previous Valve Procedure Known	Format:	Date mm/dd/yyyy
ParentShortName:	PrValDtKnown	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Long Name:Estimate Number of Months Since IShort Name: <b>PrValveMonths</b>	Previous Valve Procedure	SeqNo: Core:	1430 Yes
Section Name: Previous Cardiac Interventions		Harvest:	Yes
DBTableName AdultData			
<i>Definition:</i> Indicate the best estimate of the number performed.	er of months since the most recent prior	valve procedure	was
LowValue: 1 UsualRangeLow:	ACCField: Not mapped		
HighValue: 240 UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Exact Date of Previous Valve Procedure Known	Format: Integer		
ParentShortName: PrValDtKnown	DataLength:		
<i>ParentValue:</i> = "No"	Data Source: User		

STS Adult Cardiac Database		Version: 2.73
Long Name: Prev Oth Card		<i>SeqNo:</i> 1440
Short Name: PrOthCar		Core: Yes
Section Name: Previous Cardiac Interventions		Harvest: Yes
DBTableName AdultData		
<i>Definition:</i> Indicate whether patient had a previous cava, inferior vena cava, pulmonary is not limited to LVA, acquired VSD pericardiectomy, cardiac tumor, mye	arteries and veins) procedure perfor , SVR, TMR, cardiac trauma, peric	med. This may include, but
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField	d: No
	ModelField: No PQRIFiel	ld: No
Parent Long Name: Prev Cardiac Intervent	Format: Text (categorical specified by STS	
ParentShortName: PrCVInt	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Harvest Codes:		
Code: Value:		
$\frac{1}{1}$ Yes		
2 No		
Long Name: Previous Arrhythmia Surgery		SeqNo: 1445
Short Name: <b>POArr</b> Section Name: Previous Cardiac Interventions		Core: Yes Harvest: Yes
DBTableName AdultData		nurvesi. 105
<i>Definition:</i> Indicate whether the patient had any	other arrhythmia surgery (e.g. maz	e procedure)
LowValue: UsualRangeLow:	ACCField: Not mapped	1
HighValue: UsualRangeHigh:	ReportField: NQFField ModelField: PORIField	
Parent Long Name: Prev Oth Card	<i>Format:</i> Text (categorical specified by STS	values
ParentShortName: PrOthCar	DataLength:	,
ParentValue: = "Yes"	Data Source: User	
Harvest Codes:		
<u>Code:</u> <u>Value:</u>		
1 Yes		
2 No		

STS Adult Cardiac Database					Versio	n: 2.73
Long Name: Previous Congenital					SeqNo:	1450
Short Name: PrOthCongen					Core:	Yes
Section Name: Previous Cardiac Intervention	IS				Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate whether patient had a p performed. May include, but is a				cutar	eous procedu	re
LowValue: UsualRangeLow:	ACCField:	Not n	napped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Prev Cardiac Intervent	Format:		(categorical va fied by STS)	lues		
ParentShortName: PrCVInt	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Harvest Codes:						
<u>Code:</u> <u>Value:</u>						
1 Yes						
2 No						
Long Name: Prev Oth Card-ICD					SeqNo:	1460
Short Name: PrOCAICD					Core:	Yes
Section Name: Previous Cardiac Intervention	IS				Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate whether the patient had This does not include lead place		f an Im	plantable Card	iover	ter/Defibrillat	or.
LowValue: UsualRangeLow:	ACCField:	Not n	napped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Prev Cardiac Intervent	Format:		(categorical va fied by STS)	lues		
ParentShortName: PrCVInt	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Harvest Codes:						
Code: Value:						
1 Yes						

STS Adult Cardiac Database	Ve	ersion: 2.73
Long Name: Prev Oth Card-Pacemaker	SeqNo.	1470
Short Name: PrOCPace	Core	e: Yes
Section Name: Previous Cardiac Interventions	Harvest:	Yes
DBTableName AdultData		
<i>Definition:</i> Indicate whether a previous permane procedure. This does not include lea	ent pacemaker was placed anytime prior to this surgicand placement only.	ıl
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No	
	ModelField: No PQRIField: No	
Parent Long Name: Prev Cardiac Intervent	<i>Format:</i> Text (categorical values specified by STS)	
ParentShortName: PrCVInt	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		

STS Adult Cardia	c Database				Versio	on: 2.73
Long Name: P	rev Oth Card-PCI				SeqNo:	1480
Short Name: <b>F</b>	OCPCI				Core:	Yes
Section Name: P	revious Cardiac Interventions				Harvest:	Yes
DBTableName	AdultData					
to tl arte 1. E 2. R 3. L 4. E	icate whether a previous Percuta his surgical procedure. PCI refe ries without performing surgery Balloon Catheter Angioplasty, Pe Cotational Atherectomy Directional Atherectomy Extraction Atherectomy Laser Atherectomy	ers to those treatme 7. PCI may include	ent pro e, but i	cedures that unblo s not limited to:	ock narrowed co	
	ntracoronary Stent Placement					
LowValue:	UsualRangeLow:	ACCField:	Not n	napped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: N	No	
		ModelField:	No	PQRIField: N	lo	
Parent Long Nan	ne: Prev Cardiac Intervent	Format:		(categorical valu ified by STS)	es	
ParentShortNam	e: PrCVInt	DataLength:				
ParentValue:	= "Yes"	Data Source:	User			
Harvest Co	odes:					
<u>(</u>	Code: Value:					
	1 Yes					

STS Adult Cardiac D	atabase			Versio	n: 2.73
Long Name: Prev	Oth Card-PCI-Within This Ep	bisode of Care		SeqNo:	148
Short Name: POC	PCIWhen			Core:	Ye
Section Name: Prev	ious Cardiac Interventions			Harvest:	Ye
DBTableName Adu	ltData				
0	e whether the previous Percuta e of care.	neous Cardiac I	ntervention (PCI) was perf	ormed within	this
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Prev Oth Card-PCI	Format:	Text (categorical values specified by STS)		
ParentShortName:	POCPCI	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	s:				
	e: <u>Value:</u>				
	1 Yes, at this facility				
2	2 Yes, at some other acute ca facility	ire			
	3 No				
Long Name: Prev	Oth Card-PCI-Indication For	Surgery		SeqNo:	1490
Short Name: POC	PCIndSurg			Core:	Yes
Section Name: Prev	ious Cardiac Interventions			Harvest:	Yes
DBTableName Adu	ltData				
Definition: Select	the indication for surgery follo	wing the Percuta	aneous Cardiac Interventio	n (PCI).	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Prev Oth Card-PCI-Within This Episode of Care	Format:	Text (categorical values specified by STS)		
ParentShortName:	POCPCIWhen	DataLength:			
ParentValue:	= "Yes, at this facility" or "Yes, at some other acute care facility"	Data Source:	User		
Harvest Code	s and Value Definitions:				
Cod	e: <u>Value:</u>	Definition	<u>1:</u>		
	PCI Complication	Complica	tion during PCI necessitati on such as dissection or ac		

2 PCI Failure without Clinic Deterioration		•	d expected and did not deterio			,
3 PCI/CABG Hybrid Proced	lure Planned I	Hybrid F	Procedure			
Long Name: Prev Oth Card-PCI-Stent					SeqNo:	1500
Short Name: POCPCISt					Core:	Yes
Section Name: Previous Cardiac Interventions					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether an intracoronary ste Intervention (PCI).	nt was used duri	ng the p	revious Percu	taneo	ous Cardiac	
LowValue: UsualRangeLow:	ACCField:	Not ma	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Prev Oth Card-PCI	Format:		categorical va ied by STS)	lues		
ParentShortName: POCPCI	DataLength:					
ParentValue: = "Yes"	Data Source:	User				
Harvest Codes:						
<u>Code: Value:</u>						
$\frac{1}{1}$ Yes						
2 No						
Long Name: Prev Oth Card-PCI-Stent Type					SeqNo:	1510
Short Name: POCPCIStTy					Core:	Yes
Section Name: Previous Cardiac Interventions					Harvest:	Yes
DBTableName AdultData						
	laced.					
Definition: Indicate type of intracoronary stent p	laced. ACCField:	Not ma	upped			
Definition:Indicate type of intracoronary stent pLowValue:UsualRangeLow:			npped NQFField:	No		
Definition:Indicate type of intracoronary stent pLowValue:UsualRangeLow:	ACCField:	No	••			
Definition:Indicate type of intracoronary stent pLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ACCField: ReportField:	No No Text (	NQFField:	No		
Definition:Indicate type of intracoronary stent pLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Prev Oth Card-PCI-Stent	ACCField: ReportField: ModelField:	No No Text (	NQFField: PQRIField: categorical va	No		
Definition: Indicate type of intracoronary stent p LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Prev Oth Card-PCI-Stent ParentShortName: POCPCISt	ACCField: ReportField: ModelField: Format:	No No Text ( specif	NQFField: PQRIField: categorical va	No		
Definition:Indicate type of intracoronary stent pLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Prev Oth Card-PCI-StentParentShortName:POCPCISt	ACCField: ReportField: ModelField: Format: DataLength:	No No Text ( specif	NQFField: PQRIField: categorical va	No		
Definition:Indicate type of intracoronary stent pLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Prev Oth Card-PCI-StentParentShortName:POCPCIStParentValue:= "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	No No Text ( specif	NQFField: PQRIField: categorical va	No		
Definition:       Indicate type of intracoronary stent p         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Prev Oth Card-PCI-Stent         ParentShortName:       POCPCISt         ParentValue:       = "Yes"         Harvest Codes:	ACCField: ReportField: ModelField: Format: DataLength:	No No Text ( specif	NQFField: PQRIField: categorical va	No		

3 Unknown

3 Unknown					
Long Name: Prev Oth Card-PCI-Interval				SeqNo:	1520
Short Name: POCPCIIn				Core:	Yes
Section Name: Previous Cardiac Interventions				Harvest:	Yes
DBTableName AdultData					
Definition: Indicate the interval of time between	the previous PC	I and the c	urrent surg	ical procedure.	
LowValue: UsualRangeLow:	ACCField:	Not mapp	bed		
HighValue: UsualRangeHigh:	ReportField:	Yes A	QFField:	No	
	ModelField:	Yes P	QRIField:	No	
Parent Long Name: Prev Oth Card-PCI	Format:		egorical va by STS)	llues	
ParentShortName: POCPCI	DataLength:				
<i>ParentValue:</i> = "Yes"	Data Source.	User			
Harvest Codes:					
Code: Value:					
$1 \ll 6$ Hours					
2 > 6 Hours					
Long Name: Prev Oth Card-Other				SeqNo:	1530
Short Name: POCO				Core:	Yes
Section Name: Previous Cardiac Interventions				Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether the patient has under	ergone any other	previous c	ardiovascu	lar intervention.	
LowValue: UsualRangeLow:	ACCField:	Not mapp	bed		
HighValue: UsualRangeHigh:	ReportField:	Νο Λ	QFField:	No	

HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Prev Cardiac Intervent	Format:	Text (categorical values specified by STS)
ParentShortName:	PrCVInt	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	s:		
Cod	e: Value:		
	1 Yes		
	2 No		

STS Adult Cardiac Database					Versic	n: 2.73
Long Name: Prior MI					SeqNo:	1540
Short Name: PrevMI					Core:	Yes
Section Name: Preoperative Cardiac Status					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate if the patient has had at le prior to this surgery. (Refer to tra				l infa	rction at any t	ime
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name:	Format:		(categorical va fied by STS)	alues		
ParentShortName:	DataLength:					
ParentValue:	Data Source	: User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: MI-When					SeqNo:	1550
Short Name: MIWhen					Core:	Yes
Section Name: Preoperative Cardiac Status					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the time period between t	he last documented	myoca	rdial infarction	n and	surgery.	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	Yes	PQRIField:	No		
Parent Long Name: Prior MI	Format:		(categorical va fied by STS)	alues		
ParentShortName: PrevMI	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source	: User				
Harvest Codes:						
Code: Value:						
1 <=6 Hrs						
2 >6 Hrs but <24 Hrs						
3 1 to 7 Days						
4 8 to 21 Days						
5 >21 Days						

Long Name:	Anginal Classification within 2 weeks	SeqNo:	1570
Short Name:	AnginalClass	Core:	Yes
Section Name.	Preoperative Cardiac Status	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the patients anginal classification or symptom status within the past 2 weeks. The anginal classification or symptom status is classified as the highest grade of angina or chest pain by the Canadian Cardiovascular Angina Classification System (CCA).

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User

Harvest Codes and Value Definitions:

Code:	Value:	Definition:
1	No Symptoms, No Angina	The patient has no symptoms, no angina.
2	CCA I	Ordinary physical activity does not cause angina; for example walking or climbing stairs, angina occurs with strenuous or rapid or prolonged exertion at work or recreation.
3	CCA II	Slight limitation of ordinary activity; for example, angina occurs walking or stair climbing after meals, in cold, in wind, under emotional stress or only during the few hours after awakening, walking more than two blocks on the level or climbing more than one flight of ordinary stairs at a normal pace and in normal conditions.
4	CCA III	Marked limitation of ordinary activity; for example, angina occurs walking one or two blocks on the level or climbing one flight of stairs in normal conditions and at a normal pace.
5	CCA IV	Inability to carry on any physical activity without discomfort - angina syndrome may be present at rest.

STS Adult Car	rdiac Data	abase				Versio	on: 2.73
Long Name:	Heart I	Failure within 2 weeks				SeqNo:	1580
Short Name:	CHF					Core:	Yes
Section Name	: Preope	rative Cardiac Status				Harvest:	Yes
DBTableNam	e AdultI	Data					
		f there is physician docume thin the past 2 weeks.	ntation or report	that the	e patient has be	een in a state of hea	art
	symptom occurring retention; or pulmo cardiac d A low eje	ure is defined as physician of s of heart failure described a g in the supine position, fluid or the description of rales, nary edema on chest x-ray pysfunction. ection fraction alone, without ure does not qualify as heart	as unusual dyspn 1 jugular venous d presumed to be 1t clinical eviden	ea on l	ight exertion, r	recurrent dyspnea	l exam,
LowValue:							
Low vame.		UsualRangeLow:	ACCField:	Not n	napped		
Low value: HighValue:		UsualRangeLow: UsualRangeHigh:	ACCField: ReportField:		napped NQFField:	No	
		_		Yes			
	Name:	_	ReportField:	Yes Yes Text	NQFField:	No	
HighValue:		_	ReportField: ModelField:	Yes Yes Text	NQFField: PQRIField: (categorical va	No	
HighValue: Parent Long N	lame:	_	ReportField: ModelField: Format:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No	
HighValue: Parent Long N ParentShortN ParentValue:	lame:	_	ReportField: ModelField: Format: DataLength:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No	
HighValue: Parent Long N ParentShortN ParentValue:	<i>lame:</i> at Codes:	_	ReportField: ModelField: Format: DataLength:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No	
HighValue: Parent Long N ParentShortN ParentValue:	<i>lame:</i> at Codes:	UsualRangeHigh:	ReportField: ModelField: Format: DataLength:	Yes Yes Text speci	NQFField: PQRIField: (categorical va	No	

STS Adult Cardiac Database	Version: 2.73
Long Name: Classification-NYHA	<i>SeqNo:</i> 1585
Short Name: ClassNYH	Core: Yes
Section Name: Preoperative Cardiac Status	Harvest: Yes
DBTableName AdultData	
<i>Definition:</i> Indicate the patient's worst dyspnea or (NYHA) classification within the past	functional class, coded as the New York Heart Association 2 weeks.
LowValue: UsualRangeLow:	ACCField: Mapped - Definition and coding
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No
	ModelField: Yes PQRIField: No
Parent Long Name: Heart Failure within 2 weeks	Format: Text (categorical values specified by STS)
ParentShortName: CHF	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes and Value Definitions:	
<u>Code: Value:</u>	Definition:
1 Class I	Patient has cardiac disease but without resulting limitations of ordinary physical activity. Ordinary physical activity (e.g., walking several blocks or climbing stairs) does not cause undue fatigue, palpitation, dyspnea, or anginal pain. Limiting symptoms may occur with marked exertion.
2 Class II	Patient has cardiac disease resulting in slight limitation of ordinary physical activity. Patient is comfortable at rest. Ordinary physical activity such as walking more than two blocks or climbing more than one flight of stairs results in limiting symptoms (e.g., fatigue, palpitation, dyspnea, or anginal pain).
3 Class III	Patient has cardiac disease resulting in marked limitation of physical activity. Patient is comfortable at rest. Less than ordinary physical activity (e.g., walking one to two level blocks or climbing one flight of stairs) causes fatigue, palpitation, dyspnea, or anginal pain.
4 Class IV	Patient has dyspnea at rest that increases with any physical activity. Patient has cardiac disease resulting in inability to perform any physical activity without discomfort. Symptoms may be present even at rest. If any physical activity is undertaken, discomfort is increased.

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Prior Heart failure			SeqNo:	1590
Short Name: PriorHF			Core:	Ye
Section Name: Preoperative Cardiac Status			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate history of heart failure occurr A previous hospital admission with pr heart failure history but is not essentia	incipal diagnosis of hear	-		of
LowValue: UsualRangeLow:	ACCField: Not ma	pped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name:		categorical values ed by STS)		
ParentShortName:	DataLength:			
ParentValue:	Data Source: User			
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Cardiac Presentation on Admission			SeqNo:	1610
Short Name: CardPres			Seqivo: Core:	Ye
Section Name: Preoperative Cardiac Status			Harvest:	Ye
DBTableName AdultData				
<i>Definition:</i> Indicate the type of angina present pri-	or to this procedure.			
LowValue: UsualRangeLow:		d - Definition and c	oding	
HighValue: UsualRangeHigh:	ReportField: Yes	NQFField: No	-	
	ModelField: Yes	<i>PQRIField:</i> No		
Parent Long Name:		categorical values ed by STS)		
ParentShortName:	DataLength:	<b>3</b> - /		
ParentValue:	Data Source: User			
Harvest Codes and Value Definitions:				
Code: Value:	Definition:			
1 No Symptoms, no Angina	No Symptoms, no	angina.		
2 Symptoms Unlikely to be Ischemia	not clearly exertio	liscomfort in the ch nal or not otherwis t of myocardial isch	e consistent nemic origin.	with This

includes patients with non-cardiac pain (e.g., pulmonary embolism, musculoskeletal, or esophageal discomfort),

		or cardiac pain not caused by myocardial ischemia (e.g., acute pericarditis).
3	Stable Angina	Stable Angina: Angina without a change in frequency or pattern for the six weeks prior to this surgical intervention. Angina is controlled by rest and/or oral or transcutaneous medications.
4	Unstable Angina	Unstable Angina - There are three principal presentations of unstable angina: 1) rest angina, 2) new-onset (less than 2 months) angina, and 3) increasing angina (in intensity, duration and/or frequency).
5	Non-ST Elevation MI (Non- STEMI)	Non-ST Elevation MI (Non-STEMI) - non-ST elevation myocardial infarction as documented in the medical record.
6	ST Elevation MI (STEMI)	STEMIs are characterized by the presence of both criteria: A. ECG evidence of STEMI B. Cardiac biomarkers

Long Name:	Cardiogenic Shock	SeqNo:	1620
Short Name:	CarShock	Core:	Yes
Section Name.	Preoperative Cardiac Status	Harvest:	Yes
DBTableName	e AdultData		

*Definition:* Indicate whether the patient was, at the time of procedure, in a clinical state of end organ hypoperfusion due to cardiac failure according to the following criteria: persistant hypotension (Systolic BP < 80-90 or mean arterial pressure 30 mmhg lower than baseline) and severe reduction in Cardiac Index (< 1.8 without support or <2.2 with support).

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	Yes	PQRIField:	No
Parent Long Name:		Format:	,	categorical va ied by STS)	lues
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				

STS Adult Cardiac Database	Version: 2.73
Long Name: Resuscitation	<i>SeqNo:</i> 1630
Short Name: Resusc	Core: Yes
Section Name: Preoperative Cardiac Status	Harvest: Yes
DBTableName AdultData	

*Definition:* Indicate whether the patient required cardiopulmonary resuscitation within one hour before the start of the operative procedure which includes the institution of anesthetic management.

LowValue: UsualRangeLow: ACC		ACCField:	Not ma	apped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	Yes	PQRIField:	No
Parent Long Name:		Format:		categorical va ied by STS)	lues
ParentShortName:		DataLength:			
ParentValue:		Data Source.	User		

Harvest Codes:

Code: Value: 1 Yes

2 No

Long Name: Art	rhythmia				SeqNo:	1640
Short Name: Ar	rhyth				Core:	No
Section Name: Pre	operative Cardiac Status				Harvest:	No
DBTableName Ac	lultData					
ventri with a 1. abl 2. AI 3. pac 4. pha	ate whether there is a history of icular fibrillation, atrial fibrilla any of the following modalitie ation therapy CD cemaker armacological treatment ctrocardioversion	ation, atrial flutter,	•		•	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name	:	Format:		(categorical va fied by STS)	llues	
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Harvest Cod	les:					
<u>Cc</u>	de: Value:					

STS Adult Cardiac Database Version: 2.73 Yes 1 2 No 1650 Long Name: Arrhythmia When SeqNo: Short Name: ArrhythWhen Core: Yes Section Name: Preoperative Cardiac Status Yes Harvest: DBTableName AdultData Indicate when the patient had a preoperative history of arrhythmia (sustained ventricular Definition: tachycardia, ventricular fibrillation, or sudden cardiac death presumed to be lethal arrhythmia, atrial fibrillation, atrial flutter, third degree heart block, second degree heart block, sick sinus syndrome) that has been treated with any of the following modalities: 1. ablation therapy 2. AICD 3. pacemaker 4. pharmacological treatment 5. electrocardioversion 6. defibrillation LowValue: UsualRangeLow: ACCField: Not mapped ReportField: HighValue: UsualRangeHigh: NQFField: ModelField: **PORIField:** Parent Long Name: Format: Text (categorical values specified by STS) ParentShortName: DataLength: Data Source: User ParentValue: Harvest Codes and Value Definitions: Code: Value: **Definition**: 1 None 2 Remote More than 30 days prior to procedure. 3 Recent Within 30 days prior to procedure.

STS Adult Cardiac	Database					Versic	n: 2.73
Long Name: A	rrhythmia Type-Vtach/Vfib					SeqNo:	1660
Short Name: A	rrhyVtach					Core:	Yes
Section Name: Pr	eoperative Cardiac Status					Harvest:	Yes
DBTableName A	dultData						
	cate whether sustained ventrice edure.	ular tachycardia or	fibrilla	tion was presen	nt wit	hin 30 days o	f the
LowValue:	UsualRangeLow:	ACCField:	Not n	napped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Nam	e: Arrhythmia When	Format:		(categorical va ified by STS)	lues		
ParentShortName	: ArrhythWhen	DataLength:		•			
ParentValue:	= "Recent"	Data Source:	User				
Harman Ca	4						
Harvest Co							
<u>c</u>	ode: <u>Value:</u> 1 Yes						
	2 No						
	2 110						
Long Name: A	rrhythmia Type-Second Degre	e Heart Block				SeqNo:	1670
Short Name: A	rrhyVtachHrtBlk					Core:	Yes
Section Name: Pr	eoperative Cardiac Status					Harvest:	Yes
DBTableName A	dultData						
Definition: India	cate whether Second Degree H	leart Block was pre	sent w	ithin 30 days o	f the	procedure.	
LowValue:	UsualRangeLow:	ACCField:	Not n	napped			
HighValue:	UsualRangeHigh:	ReportField:		NQFField:			
		ModelField:		PQRIField:			
Parent Long Nam	e: Arrhythmia When	Format:		(categorical va ified by STS)	lues		
ParentShortName	: ArrhythWhen	DataLength:					
ParentValue:	= "Recent"	Data Source:	User				
Harvest Co	des:						
<u>C</u>	ode: Value:						
	1 Yes						

STS Adult Cardiac Database		Version: 2.73
Long Name: Arrhythmia Type-Sic	k Sinus Syndrome	<i>SeqNo:</i> 168
Short Name: ArrhyVtachSicSinSy	n	Core: Ye
Section Name: Preoperative Cardiac	Status	Harvest: Ye
DBTableName AdultData		
Definition: Indicate whether Sick S	inus Syndrome was present within 3	30 days of the procedure.
LowValue: UsualRangeL	ow: ACCField: Not 1	napped
HighValue: UsualRangeH	ligh: ReportField:	NQFField:
	ModelField:	PQRIField:
Parent Long Name: Arrhythmia Wh	i orman. i en	t (categorical values ified by STS)
ParentShortName: ArrhythWhen	DataLength:	
<i>ParentValue:</i> = "Recent"	Data Source: User	r
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		
Long Name: Arrhythmia Type-Thi	rd Degree Heart Block	SeqNo: 169
Short Name: ArrhyTHB	lu Deglee Heart Dioek	Core: Ye
Section Name: Preoperative Cardiac	Status	Harvest: Ye
DBTableName AdultData		
Definition: Indicate whether third d	egree heart block was present within	n thirty days of the procedure.
LowValue: UsualRangeL	ow: ACCField: Not 1	napped
HighValue: UsualRangeH		<i>NQFField:</i> No
0 0	ModelField: No	PQRIField: No
Parent Long Name: Arrhythmia Wh	Tornan. Tex	t (categorical values ified by STS)
ParentShortName: ArrhythWhen	DataLength:	•
<i>ParentValue:</i> = "Recent"	Data Source: User	r
Harvest Codes:		
Harvest Codes: <u>Code:</u> <u>Value:</u> 1 Yes		

STS Adult Cardiac Database					Versio	n. z./c
Long Name: Arrhythmia Type-Afib/Aflutter					SeqNo:	170
Short Name: ArrhyAfib					Core:	Ye
Section Name: Preoperative Cardiac Status					Harvest:	Ye
DBTableName AdultData						
Definition: Indicate whether atrial fibrillation or	flutter was prese	nt with	in thirty days o	of the	procedure.	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	Yes	PQRIField:	No		
Parent Long Name: Arrhythmia When	Format:		(categorical va fied by STS)	lues		
ParentShortName: ArrhythWhen	DataLength:					
<i>ParentValue:</i> = "Recent"	Data Source:	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: Afib/Aflutter Type					SeqNo:	170
Short Name: ArrhyAfibTy					Core:	Ye
Section Name: Preoperative Cardiac Status					Harvest:	Ye
DBTableName AdultData						
Definition: Indicate whether preoperative AFib/A	Aflutter is paroxy	smal o	r continuous/p	ersiste	ent.	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:		NQFField:			
	ModelField:		PQRIField:			
Parent Long Name: Arrhythmia Type- Afib/Aflutter	Format:		(categorical va fied by STS)	lues		
ParentShortName: ArrhyAfib	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Harvest Codes and Value Definitions:						
Code: Value:	Definition	<u>n:</u>				
1 Paroxysmal	I.e., spora	adic				
2 Continuous/persistent	<b>D</b>		anding perman		<i>.</i> •	

STS Adult Cardiac Database		Versior	า: 2.73
Long Name:	Meds-Beta Blockers	SeqNo:	1710
Short Name:	MedBeta	Core:	Yes
Section Name	Preoperative Medications	Harvest:	Yes
DBTableNam	e AdultData		

*Definition:* Indicate whether or not the patient received beta blockers within 24 hours preceding surgery, or if beta blocker was contraindicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: Yes
		ModelField:	No	PQRIField: Yes
Parent Long Name:		Format:		categorical values ied by STS)
ParentShortName:		DataLength:		
ParentValue:		Data Source.	User	

Harvest Codes:

Code:	Value:
1	Yes
2	No
3	Contraindicated

Long Name: Meds-	ACE or ARB Inhibitors				SeqNo:	1720
Short Name: MedA	CEI				Core:	No
Section Name: Preoper	rative Medications				Harvest:	No
DBTableName Adult	Data					
if ACE of	whether the patient received A r ARB Inhibitor was contrained ted in the medical record by a	dicated or not i	ndicated	l. The contrai	indication must be	-
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:		Format:		categorical va ied by STS)	alues	
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Harvest Codes:						
Code:	<u>Value:</u>					
1	Yes					
2	No					

STS Adult Cardiac Database

3	Contraindicated / Not Indicated				
Long Name: Meds-	ACE Inhibitors or ARB Wi	thin 48 Hours		SeqNo:	1730
Short Name: MedA	CEI48			Core:	Yes
Section Name: Preope	erative Medications			Harvest:	Yes
DBTableName Adult	Data				
	whether the patient received ndicated for LV dysfunction		or ARB within 48 hour	rs preceding surge	ery
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)	ues	
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				
Long Name: Meds-	Nitrates-I.V.			SeqNo:	1740
Short Name: MedN	itIV			Core:	Yes
Section Name: Preope	prative Medications			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether the patient received	IV Nitrates with	in 24 hours preceding	surgery.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField:	No	
		ModelField:	No PQRIField:	No	
Parent Long Name:		Format:	Text (categorical values specified by STS)	ues	
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: Meds-Anticoagulants					SeqNo:	1750
Short Name: MedACoag					Core:	Ye
Section Name: Preoperative Medications					Harvest:	Ye
DBTableName AdultData						
Definition: Indicate whether the patient received I surgery. Do NOT include Coumadin or one-tin	-	-	ulants within	48 ho	urs preceding	
		-				
LowValue: UsualRangeLow:	ACCField:	Not ma				
HighValue: UsualRangeHigh:	ReportField:		NQFField:			
	ModelField:	No	PQRIField:	No		
Parent Long Name:	Format:		categorical va ed by STS)	lues		
ParentShortName:	DataLength:					
ParentValue:	Data Source:	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: Meds-Anticoagulants-Medication N	Vame				SeqNo:	176
Short Name: MedACMN					Core:	Ye
Section Name: Preoperative Medications					Harvest:	Ye
DBTableName AdultData						
Definition: Indicate the name of the IV and/or sub preceding surgery.	oq anticoagulan	t the pation	ent received v	within	48 hours	
LowValue: UsualRangeLow:	ACCField:	Not mag	pped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Meds-Anticoagulants	Format:		categorical va ed by STS)	lues		
ParentShortName: MedACoag	DataLength:	-	•			
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Harvest Codes and Value Definitions:						
Code: Value:	Definition	<u>n:</u>				
1 Heparin (Unfractionated)						
2 Heparin (Low Molecular)						
÷ 1						

STS Adult Cardiac Database
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9	Other				
Long Name: Meds-	Preoperative Antiarrhythmics			SeqNo:	1770
Short Name: MedA	Arrhy			Core:	Yes
Section Name: Preope	erative Medications			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether or not the patient was	on antiarrhyth	mics preoperatively.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical va specified by STS)	lues	
ParentShortName:		DataLength:			
ParentValue:		Data Source.	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				
Long Name: Meds-	Coumadin			SeqNo:	1780
Short Name: MedC	oum			Core:	Yes
Section Name: Preope	erative Medications			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether the patient received C	Coumadin withi	in 24 hours preceding	surgery.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField:	No	
		ModelField:	No PQRIField:	No	
Parent Long Name:		Format:	Text (categorical va specified by STS)	lues	
ParentShortName:		DataLength:			
ParentValue:		Data Source.	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				

STS Adult Cardiac	Database				Versi	on: 2.73
Long Name: Me	ds-Inotropes				SeqNo:	1790
Short Name: Me	dInotr				Core:	Yes
Section Name: Pre-	operative Medications				Harvest:	Yes
DBTableName Ad	ultData					
Definition: Indica	te whether the patient receiv	ved IV inotropic age	ents with	hin 48 hours pi	receding surgery.	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	Yes	PQRIField:	No	
Parent Long Name	·	Format:		(categorical va fied by STS)	lues	
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Harvest Cod	es:					
	de: Value:					
	1 Yes					
	2 No					
8	ds-Steroids				SeqNo:	1800
	dSter				Core:	Yes
	operative Medications				Harvest:	Yes
DBTableName Ad						
one ti induc	tte whether the patient was ta me dose related to prophylax tion period). Non-systemic r l creams).	tis therapy (i.e. IV o	iye exp	osure for cath j	procedure or surge	ery pre-
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name		Format:		(categorical va fied by STS)	lues	
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Harvest Cod	es:					
<u>Co</u>	de: Value:					
	1 Yes					

STS Adult Cardiac Data	abase					Versio	n: 2.73
Long Name: Meds-	Aspirin					SeqNo:	1820
Short Name: MedA	SA					Core:	Yes
Section Name: Preope	rative Medications					Harvest:	Yes
DBTableName Adult	Data						
Definition: Indicate	whether or not the patient i	received Aspirin o	r Ecotri	n within 5 day	/s pre	ceding surger	y.
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:	I	2			
ParentValue:		Data Source:	User				
Harvest Codes:							
	Value:						
1	Yes						
2	No						
Long Name: Meds-	Lipid Lowering					SeqNo:	1830
Short Name: MedLi	pid					Core:	Yes
Section Name: Preope	rative Medications					Harvest:	Yes
DBTableName Adult	Data						
Definition: Indicate surgery.	whether or not the patient r	eceived lipid lowe	ering m	edication with	in 24	hours precedi	ng
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
C C		DataLength: Data Source:	User				
ParentShortName:		-	User				
ParentShortName: ParentValue: Harvest Codes:	Value:	-	· User				
ParentShortName: ParentValue: Harvest Codes:	<u>Value:</u> Yes	-	· User				

STS Adult Cardiac Database					Versio	n: 2.73
Long Name: Meds-Lipid Lowering-Medication	п Туре				SeqNo:	1840
Short Name: MedLipMN					Core:	Yes
Section Name: Preoperative Medications					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate the type of lipid lowering m surgery.	nedication the pat	ient rec	eived within 24	4 hou	rs preceding	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Meds-Lipid Lowering	Format:		(categorical va fied by STS)	lues		
ParentShortName: MedLipid	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
<u>Code:</u> <u>Value:</u>						
1 Statin						
2 Non-statin						
3 Both						
Long Name: Meds-ADP Inhibitors Within Five	e Days				SeqNo:	1850
Short Name: MedADP5Days					Core:	Yes
Section Name: Preoperative Medications					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether the patient has rece	eived ADP Inhibi	tors wit	hin 5 days prec	eding	g surgery.	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name:	Format:		(categorical va fied by STS)	lues		
ParentShortName:	DataLength:		•			
ParentValue:	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						

STS Adult Cardiac Database	Ver	sion: 2.73
Long Name: Meds-ADP Inhibitors Discor	ntinuation SeqNo:	1860
Short Name: MedADPIDis	Core	Yes
Section Name: Preoperative Medications	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the number of days pri hours, enter "0".	ior to surgery ADP Inhibitor use was discontinued. If less the	nan 24
LowValue: 0 UsualRangeLow:	ACCField: Not mapped	
HighValue: 5 UsualRangeHigh:	ReportField: No NQFField: No	
	ModelField: No PQRIField: No	
Parent Long Name: Meds-ADP Inhibitors Within Five Days	Format: Integer	
ParentShortName: MedADP5Days	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Long Name:Meds-Antiplatelets Within 5Short Name:MedAplt5DaysSection Name:Preoperative MedicationsDBTableNameAdultData	Days SeqNo: Core Harvest:	187( : Ye: Ye:
Definition: Indicate whether the patient has	s received Antiplatelets within 5 days preceding surgery.	
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No	
	ModelField: No PQRIField: No	
Parent Long Name:	<i>Format:</i> Text (categorical values specified by STS)	
ParentShortName:	DataLength:	
ParentValue:	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		

STS Adult Cardiac D	atabase					Versio	on: 2.73
Long Name: Med	s-Glycoprotein IIb/IIIa Inhibito	or				SeqNo:	1880
Short Name: Med	IGP					Core:	Yes
Section Name: Preo	perative Medications					Harvest:	Yes
DBTableName Adu	ıltData						
Definition: Indicat surger	e whether the patient received <i>y</i> .	Glycoprotein III	b/IIIa in	hibitors within	n 24 h	ours precedii	ng
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source.	User				
Harvest Code	s:						
Cod	e: Value:						
	1 Yes						
	2 No						
		r-Medication N	ame			SeaNo:	1890
Long Name: Med	2 No s-Glycoprotein IIbIIIa Inhibito	r-Medication N	ame			SeqNo: Core:	1890 Yes
Long Name: Med Short Name: Med	s-Glycoprotein IIbIIIa Inhibito	r-Medication N	ame			-	
Long Name: Med Short Name: Med	s-Glycoprotein IIbIIIa Inhibito I <b>GPMN</b> perative Medications	r-Medication N	ame			Core:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat	s-Glycoprotein IIbIIIa Inhibito I <b>GPMN</b> perative Medications			atient received	l with	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications IltData e the name of the Glycoprotein				l with	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications IltData e the name of the Glycoprotein ing surgery.	IIb/IIIa Inhibito ACCField:	or the p Not m			Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue:	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications IltData e the name of the Glycoprotein ing surgery. UsualRangeLow:	IIb/IIIa Inhibito ACCField:	or the p Not m No	apped	No	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue: HighValue:	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications IltData e the name of the Glycoprotein ing surgery. UsualRangeLow:	IIb/IIIa Inhibita ACCField: ReportField:	or the p Not m No No Text (	apped NQFField:	No No	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue: HighValue:	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications IItData e the name of the Glycoprotein ing surgery. UsualRangeLow: UsualRangeHigh: Meds-Glycoprotein IIb/IIIa	IIb/IIIa Inhibita ACCField: ReportField: ModelField:	or the p Not m No No Text (	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue: HighValue: Parent Long Name:	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications IItData e the name of the Glycoprotein ing surgery. UsualRangeLow: UsualRangeHigh: Meds-Glycoprotein IIb/IIIa Inhibitor	IIb/IIIa Inhibita ACCField: ReportField: ModelField: Format:	or the p Not m No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue: HighValue: Parent Long Name: ParentShortName:	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications ultData e the name of the Glycoprotein ing surgery. UsualRangeLow: UsualRangeHigh: Meds-Glycoprotein IIb/IIIa Inhibitor MedGP = "Yes"	IIb/IIIa Inhibita ACCField: ReportField: ModelField: Format: DataLength:	or the p Not m No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications ultData e the name of the Glycoprotein ing surgery. UsualRangeLow: UsualRangeHigh: Meds-Glycoprotein IIb/IIIa Inhibitor MedGP = "Yes"	IIb/IIIa Inhibita ACCField: ReportField: ModelField: Format: DataLength:	or the p Not m No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code <u>Cod</u>	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications altData e the name of the Glycoprotein ing surgery. UsualRangeLow: UsualRangeHigh: Meds-Glycoprotein IIb/IIIa Inhibitor MedGP = "Yes" s:	IIb/IIIa Inhibita ACCField: ReportField: ModelField: Format: DataLength:	or the p Not m No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes
Long Name: Med Short Name: Med Section Name: Preo DBTableName Adu Definition: Indicat preced LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code <u>Cod</u>	s-Glycoprotein IIbIIIa Inhibito IGPMN perative Medications IItData e the name of the Glycoprotein ing surgery. UsualRangeLow: UsualRangeHigh: Meds-Glycoprotein IIb/IIIa Inhibitor MedGP = "Yes" s: e: Value:	IIb/IIIa Inhibita ACCField: ReportField: ModelField: Format: DataLength:	or the p Not m No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Core: Harvest:	Yes

STS Adult Cardiac Data	abase			Versio	on: 2.73
Long Name: Meds-	Thrombolytics			SeqNo:	1900
Short Name: MedTh	nom			Core:	Yes
Section Name: Preoper	rative Medications			Harvest:	Yes
DBTableName AdultI	Data				
Definition: Indicate w	whether the patient received the	hrombolytics w	vithin 48 hours preoperative	ely.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
	Value:				
1	Yes				
2	No				
				C N	1010
8	c Catheterization Performed			SeqNo:	1910 V
Short Name: CarCat				Core: Harvest:	Yes Yes
Section Name: Hemod	-			nurvesi:	168
DBTableName Adult		n and/or CT an	aio was parformed		
	whether cardiac catheterizatio				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				

	abase			Versio	n: 2.73
Long Name: Cardiad	c Catheterization Date			SeqNo:	1920
Short Name: CarCat	thDt			Core:	Yes
Section Name: Hemod	lynamics/Cath/Echo			Harvest:	Yes
DBTableName AdultI	Data				
Definition: Indicate t	he date cardiac catheterization	on was performe	ed.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: C P	Cardiac Catheterization Performed	Format:	Date mm/dd/yyyy		
ParentShortName: Ca	arCathPer	DataLength:			
ParentValue: =	"Yes"	Data Source.	User		
Long Name: Num D	Dis Vessels			SeqNo:	1930
Short Name: NumD				Core:	Yes
	lynamics/Cath/Echo			Harvest:	Yes
section Nume. Hemou	ghunnes/ Cuth/ Leno				
DBTableName AdultI	Data				
DBTableName Adult Definition: Indicate t system, au NOTE: L	Data he number of diseased majo nd/or Right system with >= .eft main disease (>=50%) is	50% narrowing counted as TW	of any vessel preoper O vessels (LAD and	ratively. Circumflex, which	ex
DBTableName Adult Definition: Indicate t system, au NOTE: L	Data he number of diseased majo nd/or Right system with >= .eft main disease (>=50%) is Ramus Intermedius). For ex	50% narrowing counted as TW ample, left mair	of any vessel preoper O vessels (LAD and a and RCA would com	ratively. Circumflex, which	ex
DBTableName Adult Definition: Indicate t system, au NOTE: L include a LowValue:	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex UsualRangeLow:	50% narrowing counted as TW ample, left main ACCField:	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped	ratively. Circumflex, which a unt as three total.	ex
DBTableName Adult Definition: Indicate t system, au NOTE: L include a	Data he number of diseased majo nd/or Right system with >= .eft main disease (>=50%) is Ramus Intermedius). For ex	50% narrowing counted as TW ample, left mair	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes <i>NQFField:</i>	ratively. Circumflex, which unt as three total. No	ex
DBTableName AdultI Definition: Indicate t system, at NOTE: L include a LowValue:	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex UsualRangeLow:	50% narrowing counted as TW ample, left main ACCField: ReportField:	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes <i>NQFField:</i>	ratively. Circumflex, which is unt as three total. No · No	ex
DBTableName Adult Definition: Indicate t system, at NOTE: L include a LowValue: HighValue:	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex UsualRangeLow:	50% narrowing counted as TW ample, left main ACCField: ReportField: ModelField:	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes <i>NQFField:</i> Yes <i>PQRIField:</i> Text (categorical v	ratively. Circumflex, which is unt as three total. No · No	ex
DBTableName Adult Definition: Indicate t system, at NOTE: L include a LowValue: HighValue: Parent Long Name:	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex UsualRangeLow:	50% narrowing counted as TW ample, left main ACCField: ReportField: ModelField: Format:	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes NQFField: Yes PQRIField: Text (categorical v specified by STS)	ratively. Circumflex, which is unt as three total. No · No	ex
DBTableName Adult Definition: Indicate t system, at NOTE: L include a LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue:	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex UsualRangeLow:	50% narrowing counted as TW ample, left main ACCField: ReportField: ModelField: Format: DataLength:	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes NQFField: Yes PQRIField: Text (categorical v specified by STS)	ratively. Circumflex, which is unt as three total. No · No	ex
DBTableName Adult Definition: Indicate t system, at NOTE: L include a LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes a	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex UsualRangeLow: UsualRangeHigh:	50% narrowing counted as TW ample, left main ACCField: ReportField: ModelField: Format: DataLength:	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes NQFField: Yes PQRIField: Text (categorical v specified by STS)	ratively. Circumflex, which is unt as three total. No · No	ex
DBTableName Adult Definition: Indicate t system, at NOTE: L include a LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes a	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	50% narrowing counted as TW ample, left main ACCField: ReportField: ModelField: Format: DataLength: Data Source. <u>Definition</u>	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes NQFField: Yes PQRIField: Text (categorical v specified by STS)	ratively. Circumflex, which i unt as three total. No · No alues	ex
DBTableName Adult Definition: Indicate t system, at NOTE: L include a LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes a <u>Code:</u>	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> and Value Definitions: <u>Value:</u>	50% narrowing counted as TW ample, left main ACCField: ReportField: ModelField: Format: DataLength: Data Source. <u>Definition</u>	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes <i>NQFField:</i> Yes <i>PQRIField:</i> Text (categorical v specified by STS)	ratively. Circumflex, which i unt as three total. No · No alues	ex
DBTableName Adult Definition: Indicate t system, at NOTE: L include a LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes a <u>Code:</u> 1	Data he number of diseased majo nd/or Right system with >= eft main disease (>=50%) is Ramus Intermedius). For ex <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> and Value Definitions: <u>Value:</u> None	50% narrowing counted as TW ample, left main ACCField: ReportField: ModelField: Format: DataLength: Data Source. <u>Definition</u>	of any vessel preoper O vessels (LAD and a and RCA would con Not mapped Yes <i>NQFField:</i> Yes <i>PQRIField:</i> Text (categorical v specified by STS)	ratively. Circumflex, which i unt as three total. No · No alues	ex

STS Adult Cardiac Database		Version: 2.73
<i>Long Name:</i> Left Main Dis >= 50%		SeqNo: 194
Short Name: LMainDis		Core: Ye
Section Name: Hemodynamics/Cath/Echo		Harvest: Ye
DBTableName AdultData		
Definition: Indicate whether the patient has Lef present when there is $>= 50\%$ comp		
LowValue: UsualRangeLow:	ACCField: Mapped - Defi	nition and coding
HighValue: UsualRangeHigh:	ReportField: Yes NQFF	<i>ield:</i> No
	ModelField: Yes PQRIF	Field: No
Parent Long Name:	<i>Format:</i> Text (categori specified by S	
ParentShortName:	DataLength:	, ,
ParentValue:	Data Source: User	
Harvest Codes:		
<u>Code:</u> <u>Value:</u>		
1 Yes		
2 No		
2 110		
<i>Long Name:</i> Proximal LAD Disease >=70%		SeqNo: 194
Short Name: ProxLAD		Core: Ye
Section Name: Hemodynamics/Cath/Echo		Harvest: Ye
DBTableName AdultData		
<i>Definition:</i> Indicate whether the percent lumina point of maximal stenosis is greater	<b>e</b> 1	nterior descending artery at the
LowValue: UsualRangeLow:	ACCField: Mapped - Defi	nition and coding
HighValue: UsualRangeHigh:	ReportField: NQFF	ield:
	ModelField: PQRIF	Field:
Parent Long Name:	Format: Text (categori specified by S	
ParentShortName:	DataLength:	
ParentShortName: ParentValue:	DataLengtn: Data Source: User	
	-	
ParentValue:	-	
ParentValue: Harvest Codes:	-	

STS Adult Cardiac Dat	tabase					Versio	on: 2.73
Long Name: Hemo	Data-EF Done					SeqNo:	1950
Short Name: HDER	FD					Core:	Yes
Section Name: Hemo	dynamics/Cath/Echo					Harvest:	Yes
DBTableName Adult	Data						
Definition: Indicate	whether the Ejection Frac	ction was measured	prior to	o the induction	of an	esthesia.	
LowValue:	UsualRangeLow:	ACCField:	Not n	napped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
Code:	<u>Value:</u>						
1	Yes						
2	No						

STS Adult Cardiac Database		Versio	n: 2.73
Long Name:	Hemo Data-EF	SeqNo:	1960
Short Name:	HDEF	Core:	Yes
Section Name:	· Hemodynamics/Cath/Echo	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the percentage of the blood emptied from the left ventricle at the end of the contraction. Use the most recent determination prior to the surgical intervention documented on a diagnostic report.

Enter a percentage in the range of 1 - 99. If a percentage range is reported, report a whole number using the "mean" (i.e., 50-55%, is reported as 53%).

Values reported as: Normal = 60% Good function = 50% Mildly reduced = 45% Fair function = 40% Moderately reduced = 30% Poor function = 25% Severely reduced = 20%

NOTE: If no diagnostic report is in the medical record, a value documented in the progress record is acceptable.

LowValue: 1.0	UsualRangeLow:	5.0	ACCField:	Not ma	pped	
HighValue: 99.0	UsualRangeHigh:	90.0	ReportField:	Yes	NQFField:	No
			ModelField:	Yes	PQRIField:	No
Parent Long Name:	Hemo Data-EF Done		Format:	Real		
ParentShortName:	HDEFD		DataLength:			
ParentValue:	= "Yes"		Data Source:	User		

STS Adult Cardiac Database	Version: 2.7
Long Name: Hemo Data-EF Method	SeqNo: 197
Short Name: HDEFMeth	Core: Ye
Section Name: Hemodynamics/Cath/Echo	Harvest: Ye
DBTableName AdultData	
Definition: Indicate how the Ejection Fraction m	easurement information was obtained preoperatively.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: Hemo Data-EF Done	Format: Text (categorical values specified by STS)
ParentShortName: HDEFD	DataLength:
ParentValue: = "Yes"	Data Source: User
Harvest Codes and Value Definitions:	
<u>Code:</u> Value:	Definition:
	Deminuon.
2 LV Gram	
	Left Ventriculogram MUGA Scan
2 LV Gram	Left Ventriculogram
<ol> <li>LV Gram</li> <li>Radionucleotide</li> </ol>	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical
<ul><li>2 LV Gram</li><li>3 Radionucleotide</li><li>4 Estimate</li></ul>	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data.
<ul> <li>2 LV Gram</li> <li>3 Radionucleotide</li> <li>4 Estimate</li> <li>5 ECHO</li> </ul>	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data.
<ul> <li>2 LV Gram</li> <li>3 Radionucleotide</li> <li>4 Estimate</li> <li>5 ECHO</li> <li>6 MRI/CT</li> <li>9 Other</li> </ul>	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram
2 LV Gram 3 Radionucleotide 4 Estimate 5 ECHO 6 MRI/CT 9 Other Long Name: Hemo Data-LV Systolic Dimensio	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram
2 LV Gram 3 Radionucleotide 4 Estimate 5 ECHO 6 MRI/CT 9 Other Long Name: Hemo Data-LV Systolic Dimensio Short Name: LVSD	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram
2 LV Gram 3 Radionucleotide 4 Estimate 5 ECHO 6 MRI/CT 9 Other Long Name: Hemo Data-LV Systolic Dimensio Short Name: LVSD Section Name: Hemodynamics/Cath/Echo	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram on SeqNo: 198 Core: Ye
2 LV Gram 3 Radionucleotide 4 Estimate 5 ECHO 6 MRI/CT 9 Other Long Name: Hemo Data-LV Systolic Dimensio Short Name: LVSD Section Name: Hemodynamics/Cath/Echo DBTableName AdultData	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram on SeqNo: 198 Core: Ye Harvest: Ye
2 LV Gram 3 Radionucleotide 4 Estimate 5 ECHO 6 MRI/CT 9 Other Long Name: Hemo Data-LV Systolic Dimensio Short Name: LVSD Section Name: Hemodynamics/Cath/Echo DBTableName AdultData Definition: Indicate LV systolic dimension in mr	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram on SeqNo: 198 Core: Ye Harvest: Ye m as indicated on echo.
2       LV Gram         3       Radionucleotide         4       Estimate         5       ECHO         6       MRI/CT         9       Other         Long Name:       Hemo Data-LV Systolic Dimensio         Short Name:       LVSD         Section Name:       Hemodynamics/Cath/Echo         DBTableName       AdultData         Definition:       Indicate LV systolic dimension in mr         LowValue:       0.0       UsualRangeLow:       25.0	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram on SeqNo: 198 Core: Ye Harvest: Ye m as indicated on echo.
2       LV Gram         3       Radionucleotide         4       Estimate         5       ECHO         6       MRI/CT         9       Other         Long Name:       Hemo Data-LV Systolic Dimensio         Short Name:       LVSD         Section Name:       Hemodynamics/Cath/Echo         DBTableName       AdultData         Definition:       Indicate LV systolic dimension in mr         LowValue:       0.0       UsualRangeLow:       25.0	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram on SeqNo: 198 Core: Ye Harvest: Ye m as indicated on echo. ACCField: Mapped - Definition and coding
2       LV Gram         3       Radionucleotide         4       Estimate         5       ECHO         6       MRI/CT         9       Other         Long Name:       Hemo Data-LV Systolic Dimension         Short Name:       LVSD         Section Name:       Hemodynamics/Cath/Echo         DBTableName       AdultData         Definition:       Indicate LV systolic dimension in mr         LowValue:       0.0       UsualRangeLow:       25.0         HighValue:       90.0       UsualRangeHigh:       35.0	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram m SeqNo: 198 Core: Ye Harvest: Ye m as indicated on echo. ACCField: Mapped - Definition and coding ReportField: NQFField: ModelField: PQRIField:
2       LV Gram         3       Radionucleotide         4       Estimate         5       ECHO         6       MRI/CT         9       Other         Long Name:       Hemo Data-LV Systolic Dimension         Short Name:       LVSD         Section Name:       Hemodynamics/Cath/Echo         DBTableName       AdultData         Definition:       Indicate LV systolic dimension in mr         LowValue:       0.0       UsualRangeLow:       25.0	Left Ventriculogram MUGA Scan From other calculations, based upon available clinical data. Echocardiogram m SeqNo: 198 Core: Ye Harvest: Ye m as indicated on echo. ACCField: Mapped - Definition and coding ReportField: NQFField:

STS Adult Cardiac D	atabase		Versio	on: 2.73
Long Name: Hem	o Data-LV End-Diastolic Din	nension	SeqNo:	1990
Short Name: LVE	EDD		Core:	Yes
Section Name: Hem	odynamics/Cath/Echo		Harvest:	Yes
DBTableName Adu	ıltData			
Definition: Indicat	e the Left Ventricular End-Dia	astolic Dimension in mm as indicated	on echo.	
LowValue: 20.0	UsualRangeLow: 45.0	ACCField: Mapped - Definition	n and coding	
HighValue: 100.0	UsualRangeHigh: 54.0	ReportField: NQFField:		
		ModelField: PQRIField:		
Parent Long Name:		Format: Real		
ParentShortName:		DataLength:		
ParentValue:		Data Source: User		
0	no Data - HDPA Mean Done		SeqNo:	2000
Short Name: HDI	odynamics/Cath/Echo		Core: Harvest:	No No
DBTableName Adu	•		nurvest.	140
Definition: Indicat		y artery pressure in mm Hg, was record E the induction of anesthesia.	ded from catheteriz	zation
LowValue:	UsualRangeLow:	ACCField: Not mapped		
HighValue:	UsualRangeHigh:	ReportField: No NQFField:	No	
		ModelField: No PQRIField:	No	
Parent Long Name:		Format: Text (categorical v	alues	

DataLength:

Data Source: User

specified by STS)

ParentShortName:

Harvest Codes:

Code: Value: 1 Yes 2 No

ParentValue:

	atabase						
Long Name: Hem	o Data-PA Mean					SeqNo:	2010
Short Name: HDP	AMean					Core:	No
Section Name: Hemo	odynamics/Cath/Echo					Harvest:	No
DBTableName Adu	ltData						
	e the mean pulmonary artery p atheter BEFORE the induction		Ig, reco	rded from cath	eteriz	ation data or	Swan-
LowValue: 1.0	UsualRangeLow:	ACCField:	Not m	apped			
HighValue: 99.0	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	Yes	PQRIField:	No		
Parent Long Name:	Hemo Data - HDPA Mean Done	Format:	Real				
ParentShortName:	HDPAD	DataLength:					
ParentValue:	= "Yes"	Data Source.	User				
-	o-PA Systolic Pressure Measu <b>YSMeas</b>	ired				SeqNo: Core:	
Short Name: PAS Section Name: Hemo	<b>YSMeas</b> odynamics/Cath/Echo	red				-	2020 Yes Yes
Short Name: PAS Section Name: Heme DBTableName Adu	<b>YSMeas</b> odynamics/Cath/Echo		red prio	r to incision.		Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate	<b>YSMeas</b> odynamics/Cath/Echo ltData		red prior			Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue:	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres	sure was measu	Not m			Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue:	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres UsualRangeLow:	sure was measur ACCField:	Not m	apped		Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue: HighValue:	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres UsualRangeLow:	sure was measur ACCField: ReportField:	Not m Text (	apped NQFField:		Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue: HighValue: Parent Long Name:	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres UsualRangeLow:	sure was measur ACCField: ReportField: ModelField:	Not m Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va		Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName:	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres UsualRangeLow:	sure was measur ACCField: ReportField: ModelField: Format:	Not m Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va		Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName:	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres UsualRangeLow: UsualRangeHigh:	sure was measur ACCField: ReportField: ModelField: Format: DataLength:	Not m Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va		Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres UsualRangeLow: UsualRangeHigh:	sure was measur ACCField: ReportField: ModelField: Format: DataLength:	Not m Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va		Core:	Yes
Short Name: PAS Section Name: Hemo DBTableName Adu Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes	YSMeas odynamics/Cath/Echo ltData e whether the PA systolic pres UsualRangeLow: UsualRangeHigh:	sure was measur ACCField: ReportField: ModelField: Format: DataLength:	Not m Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va		Core:	Yes

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: Hemo-PA Systolic Pressure		SeqNo:	2030
Short Name: PASYS		Core:	Yes
Section Name: Hemodynamics/Cath/Echo		Harvest:	Yes
DBTableName AdultData			
Definition: Capture highest PA systolic pressu	e recorded prior to incision.		
LowValue: 10.0 UsualRangeLow: 15.0	ACCField: Not mapped		
HighValue: 150.0 UsualRangeHigh: 30.0	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Hemo-PA Systolic Pressu: Measured	<i>Format:</i> Real		
ParentShortName: PASYSMeas	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Long Name:VD-AorticShort Name:VDAortSection Name:Hemodynamics/Cath/Echo		SeqNo: Core: Harvest:	2040 Yes Yes
DBTableName AdultData			
Definition: Indicate whether Aortic Valve dise	ise is present.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField: ModelField: PQRIField:		
Parent Long Name:	<i>Format:</i> Text (categorical values specified by STS)		
ParentShortName:	DataLength:		
ParentValue:	Data Source: User		
Harvest Codes:			
Code: Value:			
<u>Code:</u> <u>Value:</u> 1 Yes			

STS Adult Cardiac Dat	tabase			Versic	on: 2.73
Long Name: VD-A	ortic Etiology			SeqNo:	2090
Short Name: VDA	bEt			Core:	Yes
Section Name: Hemo	dynamics/Cath/Echo			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	primary etiology of aortic val	ve disease.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	VD-Aortic	Format:	Text (categorical values specified by STS)		
ParentShortName: V	/DAort	DataLength:			
ParentValue: =	"Yes"	Data Source.	User		
Harvest Codes	and Value Definitions:				
Code:	Value:	Definition	<u>n:</u>		
1	Degenerative (senile)	Includes	calcific, senile, and leaflet	prolapse.	
2	Endocarditis				
3	Congenital				
4	Rheumatic				
5	Primary Aortic Disease				
6	LV Outflow Tract Obstruct	ion			
7	Supravalvular Aortic Steno	sis			
8	Tumor				
9	Trauma				
10	Other				

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: VD-Endocarditis Root Abscess			SeqNo:	2110
Short Name: VDEndAB			Core:	Ye
Section Name: Hemodynamics/Cath/Echo			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate if endocarditis is associated	with an aortic roo	ot abscess.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VD-Aortic Etiology	Format:	Text (categorical values specified by STS)		
ParentShortName: VDAoEt	DataLength:			
ParentValue: = "Endocarditis"	Data Source:	User		
Harvest Codes:				
Code: Value:				
$\frac{1}{1}$ Yes				
2 No				
Long Name: VD-Congenital Type			SeqNo:	2120
Short Name: VDCongenT			Core:	Yes
Section Name: Hemodynamics/Cath/Echo			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate type of congenital Aortic Va	alve disease.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VD-Aortic Etiology	Format:	Text (categorical values specified by STS)		
ParentShortName: VDAoEt	DataLength:			
ParentValue: = "Congenital"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Bicuspid				

STS Adult Cardiac Database			Versic	on: 2.73
Long Name: VD-Primary aortic disease			SeqNo:	2130
Short Name: VDPrimAo			Core:	Yes
Section Name: Hemodynamics/Cath/Echo			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate type of Primary Aortic Diseas	e.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VD-Aortic Etiology	Format:	Text (categorical values specified by STS)		
ParentShortName: VDAoEt	DataLength:			
<i>ParentValue:</i> = "Primary Aortic Disease"	Data Source:	User		
Harvest Codes and Value Definitions:				
Code: Value:	Definition	<u>1:</u>		
1 Marfans				
2 Other Connective tissue disorder				
3 Atherosclerotic Aneurysm				
4 Inflammatory	Syphilis,	Takayasu		
5 Aortic Dissection				
6 Idiopathic Root Dilation				
Long Name: VD-LV Outflow Tract Obstruction '	Гуре		SeqNo:	2140
Short Name: VDLVOutOb			Core:	Yes
Section Name: Hemodynamics/Cath/Echo			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate type of LV outflow tract obstr	ruction.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VD-Aortic Etiology	Format:	Text (categorical values specified by STS)		
ParentShortName: VDAoEt	DataLength:			
<i>ParentValue:</i> = "LV outflow tract obstruction"	Data Source:	User		
Harvest Codes and Value Definitions:				
Code: Value:	Definition	<u>1:</u>		
1 HOCM	Hypertrop	ohic Cardiomyopathy		

- 2 Sub-aortic membrane
- 3 Sub-aortic Tunnel

Long Name: VD-Aortic Valve Tumor Type Short Name: VDAortTumor Section Name: Hemodynamics/Cath/Echo DBTableName AdultData Definition: Indicate the type of cardiac tumor. LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VD-Aortic Etiology ParentShortName: VDAoEt ParentValue: = "Tumor" Harvest Codes: <u>Code: Value:</u> 1 Myxoma 2 Papillary fibroelastoma 3 Carcinoid 4 Other	ACCField: ReportField: ModelField: Format: DataLength: Data Source.	<i>PQRIField:</i> Text (categorical values specified by STS)	SeqNo: Core: Harvest:	2150 Yes Yes
Long Name: VD-Stenosis-Aortic Short Name: VDStenA Section Name: Hemodynamics/Cath/Echo DBTableName AdultData Definition: Indicate whether Aortic Stenosis is press	sent.		SeqNo: Core: Harvest:	2152 Yes Yes
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No		
	ModelField:	Yes PQRIField: No		
Parent Long Name: VD-Aortic	Format:	Text (categorical values specified by STS)		
ParentShortName: VDAort	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 Yes				

2 No		
Long Name: VD-AV Area	SeqNo:	2153
Short Name: VDAoVA	Core:	Yes
Section Name: Hemodynamics/Cath/Echo	Harvest:	Yes
DBTableName AdultData		
<i>Definition:</i> Indicate the smallest aortic valve are report.	ea (in cm squared) obtained from an echocardiogram or c	ath
LowValue: 0.2 UsualRangeLow:	ACCField: Mapped - Definition and coding	
HighValue: 5.0 UsualRangeHigh:	ReportField: NQFField:	
	ModelField: PQRIField:	
Parent Long Name: VD-Stenosis-Aortic	Format: Real	
ParentShortName: VDStenA	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Long Name: VD-Gradient-Aortic	SeqNo:	2154
Short Name: VDGradA	Core:	Yes
Section Name: Hemodynamics/Cath/Echo	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the highest MEAN gradient echocardiogram or angiogram preop	(in mmHg) across the aortic valve obtained from an eratively.	
LowValue: 0 UsualRangeLow:	ACCField: Not mapped	
HighValue: 200 UsualRangeHigh:	ReportField: No NQFField: No	

Format:

DataLength:

Data Source: User

Integer

Parent Long Name: VD-Stenosis-Aortic

= "Yes"

ParentShortName: VDStenA

ParentValue:

	atabase				Versio	on: 2.73
8	Insuff-Aortic				SeqNo:	2155
Short Name: VDI	nsufA				Core:	Yes
Section Name: Heme	odynamics/Cath/Echo				Harvest:	Yes
DBTableName Adu	ltData					
	e whether there is evidence of ted with highest risk (i.e., wor		urgitatio	on. Enter level of	f valve functior	1
Enter th	ne highest level recorded in th	e chart. "Modera	ately sev	vere" should be co	oded as "Severe	e".
LowValue:	UsualRangeLow:	ACCField:	Mappe	d - Definition and	d coding	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No	С	
		ModelField:	No	PQRIField: No	С	
Parent Long Name:	VD-Aortic	Format:		categorical value ied by STS)	s	
ParentShortName:	VDAort	DataLength:				
ParentValue:	= "Yes"	Data Source:	User			
Harvest Codes	S:					
Code	e: Value:					
(	) None					
1	Trivial/Trace					
2	2 Mild					
3	3 Moderate					
4	4 Severe					
Long Name: VD-1	Mitral				SeqNo:	2160
Short Name: VDN	Ait				Core:	Yes
Section Name: Heme	odynamics/Cath/Echo				Harvest:	Yes
DBTableName Adu	ltData					
	e whether Mitral valve disease	e is present.				
Definition: Indicate	e whether whith valve disease	1				
Definition: Indicate	UsualRangeLow:	ACCField:	Not ma	apped		
		-	Not ma	npped NQFField:		
LowValue:	UsualRangeLow:	ACCField:	Not ma			
LowValue:	UsualRangeLow:	ACCField: ReportField:	Text (	NQFField:	s	
LowValue: HighValue:	UsualRangeLow:	ACCField: ReportField: ModelField:	Text (	NQFField: PQRIField: categorical value	S	
LowValue: HighValue: Parent Long Name:	UsualRangeLow:	ACCField: ReportField: ModelField: Format:	Text ( specif	NQFField: PQRIField: categorical value	S	
LowValue: HighValue: Parent Long Name: ParentShortName:	UsualRangeLow: UsualRangeHigh:	ACCField: ReportField: ModelField: Format: DataLength:	Text ( specif	NQFField: PQRIField: categorical value	S	

1 Yes

2 No

Long Name: VD-Mitral Valve Disease Etiology			SeqNo:	2170
Short Name: VDMitET			Core:	Yes
Section Name: Hemodynamics/Cath/Echo			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate primary etiology of mitral va	lve disease.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VD-Mitral	Format:	Text (categorical values specified by STS)		
ParentShortName: VDMit	DataLength:			
ParentValue: = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Annular or Degenerative Disease				
2 Endocarditis				

- 3 Rheumatic
- 4 Ischemic
- 5 Congenital
- 6 Hypertrophic Obstructive Cardiomyopathy (HOCM)
- 7 Tumor
- 8 Trauma
- 9 Non-ischemic cardiomyopathy
- 10 Other

STS Adult Cardiac Database				Versio	on: 2.73
Long Name: VD-Mitral Valve	Disease Degenera	tive Location		SeqNo:	218
Short Name: VDMitDegLoc				Core:	Ye
Section Name: Hemodynamics/C	ath/Echo			Harvest:	Ye
DBTableName AdultData					
Definition: Indicate the location	of the degenerativ	ve mitral diseas	e.		
LowValue: UsualRan	ageLow:	ACCField:	Not mapped		
HighValue: UsualRan	ngeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: VD-Mitral V Etiology	Valve Disease	Format:	Text (categorical values specified by STS)		
ParentShortName: VDMitET		DataLength:			
ParentValue: = "Annular of Disease"	or Degenerative	Data Source:	User		
Harvest Codes:					
Code: Value:					
1 Posterior	Leaflet				
2 Anterior I	Leaflet				
3 Bileaflet					
Long Name: VD-Mitral Annula	ar Disease Type			SeqNo:	2190
Short Name: VDMitAnDegDis	5			Core:	Ye
Section Name: Hemodynamics/C	ath/Echo			Harvest:	Ye
DBTableName AdultData					
Definition: Indicate the type of	mitral valve annul	ar disease.			
LowValue: UsualRan	geLow:	ACCField:	Not mapped		
HighValue: UsualRan	geHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: VD-Mitral V	Valve Disease	Format:	Text (categorical values specified by STS)		
Etiology		DataLength:			
ParentShortName: VDMitET		DuiuLengin.			
ParentShortName: VDMitET	or Degenerative	Data Source:	User		
ParentShortName: VDMitET ParentValue: = "Annular of	or Degenerative	-	User		
ParentShortName: VDMitET ParentValue: = "Annular of Disease"	or Degenerative	-	User		
ParentShortName: VDMitET ParentValue: = "Annular of Disease" Harvest Codes: <u>Code: Value:</u>	or Degenerative ular Dilation	-	User		

STS Adult Cardiac Database		Versic	n: 2.73
Long Name: VD-Mitral Valve Disease Ische	emic Type	SeqNo:	221
Short Name: VDMitIsTy		Core:	Ye
Section Name: Hemodynamics/Cath/Echo		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate type of ischemic mitral d	lisease.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: VD-Mitral Valve Disease Etiology	<i>Format:</i> Text (categorical v specified by STS)	alues	
ParentShortName: VDMitET	DataLength:		
ParentValue: = "Ischemic"	Data Source: User		
Harvest Codes and Value Definitions:			
Code: Value:	Definition:		
1 Acute	Within 30 days of MI		
2 Chronic	Greater than 30 days after MI		
Long Name: VD-Mitral Papillary Muscle R	upture	SeqNo:	2220
Short Name: VDMitPMR	1	Core:	Yes
Section Name: Hemodynamics/Cath/Echo		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate whether papillary muscle	e rupture occurred.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: VD-Mitral Valve Disease Ischemic Type	<i>Format:</i> Text (categorical v. specified by STS)	alues	
ParentShortName: VDMitIsTy	DataLength:		
<i>ParentValue:</i> = "Acute"	Data Source: User		
Harvest Codes:			
Code: Value:			
1 Yes			
2 No			

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: VD-Mitral Valve Tumor Type			SeqNo:	2221
Short Name: VDMitTumor			Core:	Yes
Section Name: Hemodynamics/Cath/Echo			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the type of cardiac tumor.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VD-Mitral Valve Disease Etiology	Format:	Text (categorical values specified by STS)		
ParentShortName: VDMitET	DataLength:			
ParentValue: = "Tumor"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Myxoma				
2 Papillary fibroelastoma				
3 Carcinoid				
4 Other				
Long Name: VD-Mitral Valve Disease Functiona	al Class		SeqNo:	2230
Short Name: VDMitFC			Core:	Yes
Section Name: Hemodynamics/Cath/Echo			Harvest:	Yes
Section Name: Hemodynamics/Cath/Echo DBTableName AdultData			Harvest:	Yes
DBTableName AdultData	sease.		Harvest:	Yes
DBTableName AdultData Definition: Indicate Functional Class of Mitral Di	sease. ACCField:	Not mapped	Harvest:	Yes
DBTableName       AdultData         Definition:       Indicate Functional Class of Mitral Di         LowValue:       UsualRangeLow:		Not mapped NQFField:	Harvest:	Yes
DBTableName       AdultData         Definition:       Indicate Functional Class of Mitral Di         LowValue:       UsualRangeLow:	ACCField:		Harvest:	Yes
DBTableNameAdultDataDefinition:Indicate Functional Class of Mitral DiLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ACCField: ReportField:	NQFField:	Harvest:	Yes
DBTableNameAdultDataDefinition:Indicate Functional Class of Mitral DiLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VD-Mitral	ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values	Harvest:	Yes
DBTableNameAdultDataDefinition:Indicate Functional Class of Mitral DiLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VD-Mitral	ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)	Harvest:	Yes
DBTableName AdultData Definition: Indicate Functional Class of Mitral Di LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VD-Mitral ParentShortName: VDMit	ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Harvest:	Yes
DBTableName       AdultData         Definition:       Indicate Functional Class of Mitral Diventional Class of Mitral Diventional Class of Mitral Diventional Class of Mitral         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"         Harvest Codes and Value Definitions:	ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS) User	Harvest:	Yes
DBTableName       AdultData         Definition:       Indicate Functional Class of Mitral Di         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"	ACCField: ReportField: ModelField: Format: DataLength: Data Source: <u>Definition</u>	NQFField: PQRIField: Text (categorical values specified by STS) User	Harvest:	Yes
DBTableName AdultData Definition: Indicate Functional Class of Mitral Di LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VD-Mitral ParentShortName: VDMit ParentValue: = "Yes" Harvest Codes and Value Definitions: <u>Code: Value:</u>	ACCField: ReportField: ModelField: Format: DataLength: Data Source: <u>Definition</u> Normal le	NQFField: PQRIField: Text (categorical values specified by STS) User	Harvest:	Yes
DBTableName       AdultData         Definition:       Indicate Functional Class of Mitral Diventional Class of Mitral Diventional Class of Mitral Diventional Class of Mitral         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"         Harvest Codes and Value Definitions:       Code:         1       Type I	ACCField: ReportField: ModelField: Format: DataLength: Data Source: <u>Definition</u> Normal le Excess Le	NQFField: PQRIField: Text (categorical values specified by STS) User		Yes

Long Name: VD-Stenosis-Mitral	SeqNo: 2
Short Name: VDStenM	Core:
Section Name: Hemodynamics/Cath/Echo	Harvest:
DBTableName AdultData	
Definition: Indicate whether Mitral Stenosis is	present.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: VD-Mitral	<i>Format:</i> Text (categorical values specified by STS)
ParentShortName: VDMit	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes:	
Code: Value:	
1 Yes	
2 No	
Long Name: VD-Mitral Valve Area	SeqNo: 2
Short Name: VDMVA	Core:
Short Name:VDMVASection Name:Hemodynamics/Cath/Echo	Core: Harvest:
Section Name: Hemodynamics/Cath/Echo DBTableName AdultData	
Section Name: Hemodynamics/Cath/Echo DBTableName AdultData	Harvest:
Section Name: Hemodynamics/Cath/Echo DBTableName AdultData Definition: Indicate the smallest Mitral Valve	Harvest: Area reported on cath or echo, in centimeters squared.
Section Name: Hemodynamics/Cath/Echo DBTableName AdultData Definition: Indicate the smallest Mitral Valve LowValue: 0.6 UsualRangeLow:	Harvest: Area reported on cath or echo, in centimeters squared. ACCField: Mapped - Definition and coding
Section Name: Hemodynamics/Cath/Echo DBTableName AdultData Definition: Indicate the smallest Mitral Valve LowValue: 0.6 UsualRangeLow:	Harvest: Area reported on cath or echo, in centimeters squared. ACCField: Mapped - Definition and coding ReportField: NQFField:
Section Name: Hemodynamics/Cath/Echo DBTableName AdultData Definition: Indicate the smallest Mitral Valve LowValue: 0.6 UsualRangeLow: HighValue: 6.0 UsualRangeHigh:	Harvest: Area reported on cath or echo, in centimeters squared. ACCField: Mapped - Definition and coding ReportField: NQFField: ModelField: PQRIField:

	Version: 2.7
Long Name: VD-Mitral Valve Gradient	SeqNo: 220
Short Name: VDGradM	Core: Y
Section Name: Hemodynamics/Cath/Echo	Harvest: Y
DBTableName AdultData	
Definition: Indicate the highest mean grad echocardiogram or angiogram	dient (in mm Hg) across the mitral valve obtained from an a preoperatively.
LowValue: 0 UsualRangeLow:	ACCField: Not mapped
HighValue: 30 UsualRangeHigh:	ReportField: NQFField:
	ModelField: PQRIField:
Parent Long Name: VD-Stenosis-Mitral	Format: Integer
ParentShortName: VDStenM	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Long Name: VD-Insuff-Mitral	SeqNo: 22
Short Name: VDInsufM	Core: Y
Section Name: Hemodynamics/Cath/Echo	Harvest: Y
DBTableName AdultData	
	ence of Mitral valve regurgitation. Enter level of valve function .e., worst performance).
Definition: Indicate whether there is evide associated with highest risk (i	
Definition: Indicate whether there is evide associated with highest risk (i	.e., worst performance).
Definition: Indicate whether there is evide associated with highest risk (i Enter the highest level recorded	ed in the chart. "Moderately severe" should be coded as "Severe".
Definition:Indicate whether there is evide associated with highest risk (iEnter the highest level recorded LowValue:UsualRangeLow:	ed in the chart. "Moderately severe" should be coded as "Severe". ACCField: Mapped - Definition and coding
Definition:Indicate whether there is evide associated with highest risk (iEnter the highest level recorded LowValue:UsualRangeLow:	ed in the chart. "Moderately severe" should be coded as "Severe". <i>ACCField:</i> Mapped - Definition and coding <i>ReportField:</i> Yes <i>NQFField:</i> No
Definition:Indicate whether there is evide associated with highest risk (i Enter the highest level recorded LowValue:LowValue:UsualRangeLow: UsualRangeHigh:HighValue:UsualRangeHigh:Parent Long Name:VD-Mitral	<ul> <li>.e., worst performance).</li> <li>ed in the chart. "Moderately severe" should be coded as "Severe".</li> <li>ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values</li> </ul>
Definition:Indicate whether there is evide associated with highest risk (i Enter the highest level recorded LowValue:LowValue:UsualRangeLow: HighValue:HighValue:UsualRangeHigh:Parent Long Name:VD-Mitral	<ul> <li>.e., worst performance).</li> <li>ed in the chart. "Moderately severe" should be coded as "Severe".</li> <li>ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No</li> <li>Format: Text (categorical values specified by STS)</li> </ul>
Definition:Indicate whether there is evide associated with highest risk (i Enter the highest level recorded LowValue:LowValue:UsualRangeLow: HighValue:HighValue:UsualRangeHigh:Parent Long Name:VD-MitralParentShortName:VDMit	ed in the chart. "Moderately severe" should be coded as "Severe". ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values specified by STS) DataLength:
Definition:       Indicate whether there is evided associated with highest risk (in Enter the highest level recorded LowValue:         UsualRangeLow:         HighValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"	ed in the chart. "Moderately severe" should be coded as "Severe". ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values specified by STS) DataLength:
Definition:       Indicate whether there is evided associated with highest risk (in Enter the highest level recorded LowValue:         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"         Harvest Codes:       Harvest Codes:	ed in the chart. "Moderately severe" should be coded as "Severe". ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values specified by STS) DataLength:
Definition:       Indicate whether there is evided associated with highest risk (in Enter the highest level recorded LowValue:         UsualRangeLow:         HighValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"         Harvest Codes:       Code:         Value:       Value:	ed in the chart. "Moderately severe" should be coded as "Severe". ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values specified by STS) DataLength:
Definition:       Indicate whether there is evided associated with highest risk (in Enter the highest level recorded LowValue:         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"         Harvest Codes:       Code:         Q       None	ed in the chart. "Moderately severe" should be coded as "Severe". ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values specified by STS) DataLength:
Definition:       Indicate whether there is evided associated with highest risk (in Enter the highest level recorded LowValue:         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VD-Mitral         ParentShortName:       VDMit         ParentValue:       = "Yes"         Harvest Codes:       Code:         Q       None         1       Trivial/Trace	ed in the chart. "Moderately severe" should be coded as "Severe". ACCField: Mapped - Definition and coding ReportField: Yes NQFField: No ModelField: Yes PQRIField: No Format: Text (categorical values specified by STS) DataLength:

STS Adult Cardiac	Database			Versic	n: 2.73
Long Name: VI	D-Tricuspid			SeqNo:	2280
	DTr			Core:	Yes
Section Name: He	modynamics/Cath/Echo			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	ate whether Tricuspid Valve	disease is present.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	2:	Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Coo	les				
	ode: Value:				
<u></u>	1 Yes				
	2 No				
-	D-Tricuspid Etiology			SeqNo:	2290
	DTrEt			Core:	Yes
Section Name: He	modynamics/Cath/Echo			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	ate primary etiology of tricus	spid valve disease.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: VD-Tricuspid	Format:	Text (categorical values specified by STS)		
ParentShortName.	· VDTr	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	les and Value Definitions:				
Co	ode: Value:	Definition	<u>1:</u>		
	1 Functional		– ilatation with or without le	aflet tethering	ŗ,
	2 Endocarditis			C	
	3 Congenital				
	4 Tumor				
	<b>5</b>				
	5 Trauma				

Long Name: VD-Stenosis-Tricuspid Short Name: VDStenT				SeqNo:	2300 Xaa
Section Name: Hemodynamics/Cath/Echo				Core: Harvest:	Yes Yes
DBTableName AdultData					
<i>Definition:</i> Indicate whether Tricuspid Stenosi	is is present.				
LowValue: UsualRangeLow:	ACCField:	Not m	napped		
HighValue: UsualRangeHigh:	ReportField:		<i>NQFField:</i> No	)	
	ModelField:		<i>PQRIField:</i> No		
Parent Long Name: VD-Tricuspid	Format:		(categorical values fied by STS)	5	
ParentShortName: VDTr	DataLength:				
<i>ParentValue:</i> = "Yes"	Data Source:	User			
Harvest Codes:					
Code: Value:					
1 Yes					
2 No					
Long Name: VD-Insuff-Tricuspid				SeqNo:	2320
Short Name: VDInsufT				Core:	Yes
Section Name: Hemodynamics/Cath/Echo				Harvest:	Yes
DBTableName AdultData					
<i>Definition:</i> Indicate whether there is evidence associated with highest risk (i.e., w	-		itation. Enter leve	l of valve func	tion
Enter the highest level recorded in	the chart. "Modera	ately se	evere" should be co	oded as "Sever	e".
LowValue: UsualRangeLow:	ACCField:	Not m	napped		
HighValue: UsualRangeHigh:	ReportField:	No	NQFField: No	)	
	ModelField:	Yes	PQRIField: No	)	
Parent Long Name: VD-Tricuspid	Format:		(categorical values fied by STS)	5	
ParentShortName: VDTr	DataLength:				
<i>ParentValue:</i> = "Yes"	Data Source:	User			
Harvest Codes:					
Code: Value:					
0 None					
1					
1 Trivial/Trace					

3 Moderate4 Severe

Long Name:	VD-Pulmonic	SeqNo:	2321
Short Name:	VDPulm	Core:	Yes
Section Name:	Hemodynamics/Cath/Echo	Harvest:	Yes

DBTableName AdultData

Definition: Indicate whether Pulmonic Valve disease is present.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User

Harvest Codes:

Code: Value:

1 Yes 2 No

- Long Name: **VD-Stenosis-Pulmonic** SeqNo: 2330 Short Name: VDStenP Core: Yes Section Name: Hemodynamics/Cath/Echo Harvest: Yes DBTableName AdultData Definition: Indicate whether Pulmonic Stenosis is present. LowValue: UsualRangeLow: ACCField: Not mapped ReportField: No HighValue: UsualRangeHigh: NQFField: No ModelField: No PQRIField: No Parent Long Name: VD-Pulmonic Format: Text (categorical values specified by STS) ParentShortName: VDPulm DataLength: ParentValue: = "Yes" Data Source: User Harvest Codes: Code: Value: 1 Yes
  - 2 No

STS Adult Cardiac Database		Versio	n: 2.73
Long Name:	VD-Insuff-Pulmonic	SeqNo:	2340
Short Name:	VDInsufP	Core:	Yes
Section Name:	Hemodynamics/Cath/Echo	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether there is evidence of Pulmonic valve regurgitation. Enter level of valve function associated with highest risk (i.e., worst performance).

Enter the highest level recorded in the chart. "Moderately severe" should be coded as "Severe".

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	Yes PQRIField: No
Parent Long Name:	VD-Pulmonic	Format:	Text (categorical values specified by STS)
ParentShortName:	VDPulm	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Harvest Codes:

Code:	Value:
0	None
1	Trivial/Trace
2	Mild
3	Moderate
4	Severe

Long Name:	Surgeon	SeqNo:	2350
Short Name:	Surgeon	Core:	Yes
Section Name:	Operative	Harvest:	Yes

DBTableName AdultData

Definition: Indicate the name of the surgeon responsible for the patient's care.

This field must have controlled data entry where a user selects the surgeon name from a user list. This will remove variation in spelling, abbreviations and punctuation within the field.

LowValue:	UsualRangeLow:	ACCField:	Not mag	pped
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No
		ModelField:	No	PQRIField: No
Parent Long Name:		Format:		categorical values ed by User)
ParentShortName:		DataLength:		
ParentValue:		Data Source:	User	

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: Surgeon's National Pro	vider Identifier				SeqNo:	2360
Short Name: SurgNPI					Core:	Yes
Section Name: Operative					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the individual-le	el National Provider Identi	fier of	the surgeon per	formi	ng the proce	dure.
LowValue: UsualRangeL	v: ACCField:	Not	mapped			
HighValue: UsualRangeH	h: ReportField.	No	NQFField:	No		
	ModelField:	No	PQRIField:	Yes		
Parent Long Name: Surgeon	Format:		t (categorical va cified by User)	lues		
ParentShortName: Surgeon	DataLength:					
ParentValue: Is Not Missing	Data Source	: Loo	kup			
Long Name: Taxpayer Identificatio	Number				SeqNo:	2370
Short Name: TIN					Core:	Yes
Section Name: Operative					Harvest:	Yes
DBTableName AdultData						
	axpayer Identification Nun er Identifier that performed		1 *	nolder	of record fo	r the
LowValue: UsualRangeL	v: ACCField:	Not	mapped			
HighValue: UsualRangeH	h: ReportField.	No	NQFField:	No		
	ModelField:	No	PQRIField:	Yes		
Parent Long Name:	Format:		t (categorical va cified by User)	lues		
ParentShortName:	DataLength:					
ParentValue:	Data Source	: Loo	kup			

STS Adult Card	liac Database					Versio	on: 2.73
Long Name:	Incidence					SeqNo:	2380
Short Name:	Incidenc					Core:	Yes
Section Name:	Operative					Harvest:	Yes
DBTableName	AdultData						
Definition: In	ndicate if this is the patient's: -first cardiovascular surgery -first re-op cardiovascular surgery -second re-op cardiovascular surger -third re-op cardiovascular surger -fourth or more re-op cardiovascu	gery ry					
LowValue:	UsualRangeLow:	ACCField:	Not mapped	1			
HighValue:	UsualRangeHigh:	ReportField:	Yes NQ	FField:	No		
		ModelField:	Yes PQ	RIField:	No		
Parent Long N	ame:	Format:	Text (categ specified b		lues		

ParentShortName:	DataLength:
ParentValue:	Data Source: User

Harvest Codes:

Code: Value:

- 1 First cardiovascular surgery
- 2 First re-op cardiovascular surgery
- 3 Second re-op cardiovascular surgery
- 4 Third re-op cardiovascular surgery
- 5 Fourth or more re-op cardiovascular surgery

STS Adult Cardiac Data	abase			Versio	on: 2.73
Long Name: Status				SeqNo:	2390
Short Name: Status				Core:	Yes
Section Name: Operat	ive			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate t	he clinical status of the pati	ent prior to enter	ring the operating room.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField:	No	
		ModelField:	Yes PQRIField: 1	No	
Parent Long Name:		Format:	Text (categorical valu specified by STS)	ies	
ParentShortName:		DataLength:			
ParentValue:		Data Source	: User		
Harvest Codes a	and Value Definitions:				
Code:	Value:	Definitio	<u>n:</u>		
1	Elective	days or v could be	ent's cardiac function ha veeks prior to the operat deferred without increa nised cardiac outcome.	ion. The procedu	
2	Urgent	to minim Example sudden c (AMI), a	re required during same ize chance of further cli s include but are not lim hest pain, CHF, acute m natomy, IABP, unstable ous (IV) nitroglycerin (N	nical deterioration nited to: Worsenin nyocardial infarct angina (USA) w	on. ng, ion ⁄ith
3	Emergent	Patients i ongoing, unmanag without h any form emergend	requiring emergency op refractory (difficult, co geable) unrelenting cardi nemodynamic instability of therapy except cardi cy operation is one in w providing operative inte	erations will have mplicated, and/or ac compromise, , and not respons ac surgery. An hich there should	e r with or sive to
4	Emergent Salvage		ent is undergoing CPR e mesthesia induction or h life.		

STS Adult Cardiac Database		Versior	n: 2.73
Long Name: U	Jrgent Reason	SeqNo:	2400
Short Name: <b>U</b>	JrgntRsn	Core:	Yes
Section Name: C	Operative	Harvest:	Yes
DBTableName	AdultData		

*Definition:* Indicate the PRIMARY reason why the patient had an urgent status.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Status	Format:	Text (categorical values specified by STS)
ParentShortName:	Status	DataLength:	
ParentValue:	= "Urgent"	Data Source:	User

# Harvest Codes:

Code:	Value:
1	AMI
2	IABP
3	Worsening CP
4	CHF
5	Anatomy
6	USA (unstable angina)
7	Rest Angina
8	Valve Dysfunction
9	Aortic Dissection
10	Angiographic Accident
11	Cardiac Trauma
12	Infected Device
13	Syncope
14	PCI/CABG Hybrid
15	PCI Failure without clinical deterioration

STS Adult Cardiac Database		Version	n: 2.73
Long Name:	Emergent Reason	SeqNo:	2410
Short Name:	EmergRsn	Core:	Yes
Section Name:	Operative	Harvest:	Yes

Definition: Indicate the PRIMARY reason why the patient had Emergent Status.

Patients requiring emergency operations will have ongoing, refractory (difficult, complicated, and/or unmanageable) unrelenting cardiac compromise, with or without hemodynamic instability, and not responsive to any form of therapy except cardiac surgery. An emergency operation is one in which there should be no delay in providing operative intervention.

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped	
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name: S	Status	Format:		categorical va ed by STS)	lues
ParentShortName: S	tatus	DataLength:			
ParentValue: =	"Emergent"	Data Source:	User		
Harvest Codes	and Value Definitions:				
Code:	Value:	<b>Definition</b>	<u>1:</u>		
1	Shock Circ Support				
2	Shock No Circ Support				
3	Pulmonary Edema				
4	Acute Evolving Myocardial Infarction (AEMI)	Acute Eve before sur	-	Iyocardial Int	farction within 24 hours
5	Ongoing Ischemia				
6	Valve Dysfunction				
7	Aortic Dissection				
8	Angiographic Accident				
9	Cardiac Trauma				
10	Infected Device				
11	Syncope				
12	PCI/CABG Hybrid				
13	Anatomy				

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Previously Attempted Case Cancel	ed		SeqNo:	2415
Short Name: PCancCase			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether this case was previouafter patient entered the operating root		luring this admission and o	canceled or ab	orted
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name:	Format:	Text (categorical values specified by STS)		
ParentShortName:	DataLength:			
ParentValue:	Data Source.	User		
Harvest Codes:				
Harvest Codes: <u>Code: Value:</u>				
Code: Value:				
Code: Value: 1 Yes	ase Date		SeqNo:	2416
Code:Value:1Yes2No	ase Date		SeqNo: Core:	2416 Yes
Code:       Value:         1       Yes         2       No	use Date		-	
Code:       Value:         1       Yes         2       No    Long Name: Previously Attempted Canceled Ca	ase Date		Core:	Yes
Code:       Value:         1       Yes         2       No    Long Name: Previously Attempted Canceled			Core:	Yes
Code:       Value:         1       Yes         2       No    Long Name: Previously Attempted Canceled C		Not mapped	Core:	Yes
Code:       Value:         1       Yes         2       No    Long Name: Previously Attempted Canceled C	was canceled.		Core:	Yes
Code:       Value:         1       Yes         2       No         Long Name:       Previously Attempted Canceled Cancel	was canceled. ACCField:		Core:	Yes
Code:       Value:         1       Yes         2       No         Long Name:       Previously Attempted Canceled Cancel	was canceled. ACCField: ReportField:	NQFField:	Core:	Yes
Code:       Value:         1       Yes         2       No         Long Name:       Previously Attempted Canceled Cancel	was canceled. ACCField: ReportField: ModelField:	NQFField: PQRIField:	Core:	Yes

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: Previously Attempted Canceled Ca	ase Timing		SeqNo:	241
Short Name: PCancCaseTmg			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate at what point previously atte	empted case was	canceled or aborted.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Previously Attempted Case Canceled	Format:	Text (categorical values specified by STS)		
ParentShortName: PCancCase	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> Value:				
1 Prior to Induction of Anesthesia				
2 After Induction, Prior to Incision				
3 After Incision Made				
Long Name: Previously Attempted Canceled Ca	ase Reason		SeqNo:	241
Short Name: PCancCaseRsn			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
	ly attempted case	e was canceled or aborted.		
Definition: Indicate the reason why the previous	•			
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:	•			
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:	ACCField:	Not mapped		
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ACCField: ReportField:	Not mapped NQFField:		
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Previously Attempted Case Canceled	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values		
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Previously Attempted Case CanceledParentShortName:PCancCase	ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Previously Attempted Case CanceledParentShortName:PCancCase	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Previously Attempted Case CanceledParentShortName:PCancCaseParentValue:= "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS) User		
Definition:Indicate the reason why the previouslLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Previously Attempted Case CanceledParentShortName:PCancCaseParentValue:= "Yes"Harvest Codes and Value Definitions:	ACCField: ReportField: ModelField: Format: DataLength: Data Source: <u>Definition</u> Includes a	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS) User	nedication iss	ues
LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Previously Attempted Case         Canceled       ParentShortName:         ParentValue:       = "Yes"         Harvest Codes and Value Definitions:       Code:         Value:       Value:	ACCField: ReportField: ModelField: Format: DataLength: Data Source: <u>Definition</u> Includes a encounter	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS) User <u>n:</u> airway, line insertion and r		ues

	and blood	l products		
4 Unanticipated tumor				
5 Other				
Long Name: Previously Attempted Canceled C	Case Procedure - C	CABG	SeqNo:	241
Short Name: PCancCaseCAB			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
<i>Definition:</i> Indicate whether the plan for the pregrafting.	eviously attempted	l procedure included coror	ary artery by	pass
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Previously Attempted Case Canceled	Format:	Text (categorical values specified by STS)		
ParentShortName: PCancCase	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes: <u>Code:</u> <u>Value:</u> 1 Yes 2 No				
Long Name: Previously Attempted Canceled C	Case Procedure - V	/alve	SeqNo:	2420
Short Name: PCancCaseVal			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether the plan for the pre- replacement.	eviously attempted	l procedure included a val	ve repair or	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Previously Attempted Case Canceled	Format:	Text (categorical values specified by STS)		
ParentShortName: PCancCase	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				

STS Adult Cardiac Database

Long Name:		ously Attempted Canceled	Case Procedure - N	Aechanical Assist	SeqNo:	2421
	Devic				a	
Short Name:		cCaseMech			Core:	Yes
Section Name:	-				Harvest:	Yes
DBTableName						
		whether the plan for the pr nical assist device.	reviously attempted	l procedure included impla	nting or expla	inting
LowValue:		UsualRangeLow:	ACCField:	Not mapped		
HighValue:		UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long N		Previously Attempted Case Canceled	e Format:	Text (categorical values specified by STS)		
ParentShortNa	me: P	CancCase	DataLength:			
ParentValue:	=	"Yes"	Data Source:	User		
Harvest	Codes					
1141 (05)		Value:				
	1	Yes				
	2	No				
Long Name:	Previo	ously Attempted Canceled	Case Procedure - C	Other Cardiac	SeqNo:	2422
Short Name:		cCaseOC			Core:	Yes
Section Name:	Opera	tive			Harvest:	Yes
DBTableName	Adult	Data				
-	ndicate rocedui		eviously attempted	l procedure included any o	ther cardiac	
LowValue:		UsualRangeLow:	ACCField:	Not mapped		
HighValue:		UsualRangeHigh:	ReportField:	NQFField:		
			ModelField:	PQRIField:		
Parent Long N		Previously Attempted Case Canceled	Format:	Text (categorical values specified by STS)		
ParentShortNa	<i>me:</i> P	CancCase	DataLength:			
ParentValue:	=	"Yes"	Data Source:	User		
Harvest	Codes:					
	Code:	Value:				
	1	Yes				

STS Adult Cardiac Data	abase			Versio	n: 2.73
Long Name: Previo	usly Attempted Canceled Ca	se Procedure - C	Other Non-Cardiac	SeqNo:	2423
Short Name: PCanc	CaseONC			Core:	Yes
Section Name: Operat	ive			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate procedure	whether the plan for the prev e.	iously attempted	l procedure included any o	ther non-card	iac
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
-	Previously Attempted Case Canceled	Format:	Text (categorical values specified by STS)		
ParentShortName: P	CancCase	DataLength:			
ParentValue: =	"Yes"	Data Source:	User		
Harris Caller					
Harvest Codes:	V-l				
	Value:				
1	Yes				
2	No				
Long Name: Curren	t Case Canceled			SeqNo:	2424
Short Name: CCanc	Case			Core:	Yes
Section Name: Operat	ive			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether the current case was	canceled or abo	orted after patient entered the	he operating r	oom.
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				

STS Adult Cardiac Database	Version: 2.7
Long Name: Current Case Canceled Timing	SeqNo: 24
Short Name: CCancCaseTmg	Core: Y
Section Name: Operative	Harvest: Y
DBTableName AdultData	
Definition: Indicate at what point the current case	was canceled or aborted.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: NQFField:
	ModelField: PQRIField:
Parent Long Name: Current Case Canceled	Format: Text (categorical values specified by STS)
ParentShortName: CCancCase	DataLength:
ParentValue: = "Yes"	Data Source: User
Harvest Codes:	
Code: Value:	
1 Prior to Induction of Anesthesia	
2 After Induction, Prior to Incision	
3 After Incision Made	
Long Name: Current Case Canceled Reason	SeqNo: 24
Short Name: CCancCaseRsn	Core: Y
Section Name: Operative	Harvest: Y
DBTableName AdultData	
Definition: Indicate the reason why the current ca	se was canceled or aborted.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: NQFField:
	ModelField: PQRIField:
Parent Long Name: Current Case Canceled	Format: Text (categorical values specified by STS)
ParentShortName: CCancCase	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes and Value Definitions:	
	Definition:
<u>Code:</u> <u>Value:</u>	
Code:Value:1Anesthesiology event	Includes airway, line insertion and medication issues encountered during induction
	•

	and blood	d products		
4 Unanticipated tumor	•			
5 Other				
Long Name: Current Case Canceled Proce	edure - CABG		SeqNo:	242
Short Name: CCancCaseCAB			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether the plan for the	ne current procedure in	cluded coronary artery by	ypass grafting.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Current Case Canceled	Format:	Text (categorical values specified by STS)	S	
ParentShortName: CCancCase	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Hui vest codes.				
Code: Value:				
<u>Code:</u> <u>Value:</u> 1 Yes				
1 Yes 2 No				
1 Yes     2 No     Long Name: Current Case Canceled Proce	edure - Valve		SeqNo:	
1       Yes         2       No         Long Name:       Current Case Canceled Procession         Short Name:       CCancCaseVal	edure - Valve		Core:	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Procession         Short Name:       CCancCaseVal         Section Name:       Operative	edure - Valve		-	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Procession         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData			Core: Harvest:	Yes
1Yes2NoLong Name:Current Case Canceled ProceShort Name:CCancCaseValSection Name:OperativeDBTableNameAdultDataDefinition:Indicate whether the plan for the pl	ne current procedure in	-	Core: Harvest:	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Procession         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the         LowValue:       UsualRangeLow:	ne current procedure in ACCField:	Not mapped	Core: Harvest:	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Procession Name:         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the plan fo	ne current procedure in ACCField: ReportField:	Not mapped NQFField:	Core: Harvest:	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Procession         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:	ne current procedure in ACCField: ReportField: ModelField:	Not mapped	Core: Harvest:	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Procession         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:	ne current procedure in ACCField: ReportField: ModelField:	Not mapped NQFField:	Core: Harvest: eplacement.	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Process         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Current Case Canceled	ne current procedure in ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical value: specified by STS)	Core: Harvest: eplacement.	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Process         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Current Case Canceled         ParentShortName:       CCancCase	ne current procedure in ACCField: ReportField: ModelField: I Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical value: specified by STS)	Core: Harvest: eplacement.	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Process         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Current Case Canceled         ParentShortName:       CCancCase	ne current procedure in ACCField: ReportField: ModelField: I Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical value: specified by STS)	Core: Harvest: eplacement.	Yes
1       Yes         2       No         Long Name:       Current Case Canceled Process         Short Name:       CCancCaseVal         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate whether the plan for the         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Current Case Canceled         ParentShortName:       CCancCase         ParentValue:       = "Yes"	ne current procedure in ACCField: ReportField: ModelField: I Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical value: specified by STS)	Core: Harvest: eplacement.	Yes
1Yes2NoLong Name:Current Case Canceled ProcessShort Name:CCancCaseValSection Name:OperativeDBTableNameAdultDataDefinition:Indicate whether the plan for theLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Current Case CanceledParentShortName:CCancCaseParentValue:= "Yes"Harvest Codes:	ne current procedure in ACCField: ReportField: ModelField: I Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical value: specified by STS)	Core: Harvest: eplacement.	2428 Yes Yes

Long Name: C	Current Case Canceled Procedure	o Machanical As	sist Davica	SeqNo:	2429
0	CancCaseMech	e - Mechanical As	sist Device	Core:	Ye
Section Name: O				<i>Harvest:</i>	Ye
	-			nurvesi.	10
DBTableName A					
-	cate whether the plan for the cu st device.	irrent procedure in	cluded implanting or expla	inting a mech	anical
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nan	ne: Current Case Canceled	Format:	Text (categorical values specified by STS)		
ParentShortNam	e: CCancCase	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	odes:				
<u>(</u>	Code: Value:				
	1 Yes				
	2 No				
Long Name: C	Current Case Canceled Procedury	e - Other Cardiac		SeqNo:	2430
0		e Other Cardiae		-	-
Short Name: C	CCancCaseOC			Core:	Yes
Short Name: C Section Name: O	<b>CcancCaseOC</b> perative			-	Yes
Short Name: C Section Name: O DBTableName A	CancCaseOC perative AdultData		cluded any other cardiac p	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi	CancCaseOC perative AdultData cate whether the plan for the cu	irrent procedure in		Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi LowValue:	CancCaseOC operative AdultData cate whether the plan for the cu UsualRangeLow:	urrent procedure in ACCField:	Not mapped	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName	CancCaseOC perative AdultData cate whether the plan for the cu	irrent procedure in	Not mapped NQFField:	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi LowValue: HighValue:	CancCaseOC operative AdultData cate whether the plan for the cu UsualRangeLow:	urrent procedure in ACCField: ReportField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi LowValue: HighValue: Parent Long Nan	CancCaseOC perative AdultData acate whether the plan for the cu <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> ne: Current Case Canceled	urrent procedure in ACCField: ReportField: ModelField: Format:	Not mapped NQFField: PQRIField:	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi LowValue: HighValue: Parent Long Nam ParentShortNama	CancCaseOC perative AdultData acate whether the plan for the cu <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> ne: Current Case Canceled	nrent procedure in ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi LowValue: HighValue:	CancCaseOC perative AdultData icate whether the plan for the cu UsualRangeLow: UsualRangeHigh: ne: Current Case Canceled e: CCancCase = "Yes"	nrrent procedure in ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi LowValue: HighValue: Parent Long Nam ParentShortNama ParentValue: Harvest Co	CancCaseOC perative AdultData icate whether the plan for the cu <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> ne: Current Case Canceled e: CCancCase = "Yes" odes:	nrrent procedure in ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes
Short Name: C Section Name: O DBTableName A Definition: Indi LowValue: HighValue: Parent Long Nam ParentShortNama ParentValue: Harvest Co	CancCaseOC perative AdultData icate whether the plan for the cu UsualRangeLow: UsualRangeHigh: ne: Current Case Canceled e: CCancCase = "Yes"	nrrent procedure in ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes

STS Adult Cardiac	Database			Versic	n: 2.73
Long Name: Cu	rrent Case Canceled Procedure	e - Other Non-card	liac	SeqNo:	243
Short Name: CC	CancCaseONC			Core:	Ye
Section Name: Op	erative			Harvest:	Ye
DBTableName Ac	lultData				
Definition: Indica	ate whether the plan for the cu	rrent procedure in	cluded any other non-card	iac procedure.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: Current Case Canceled	Format:	Text (categorical values specified by STS)		
ParentShortName:	CCancCase	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Hamas t Ca	I				
Harvest Cod					
<u></u>	<u>de:</u> <u>Value:</u> 1 Yes				
	2 No				
	2 110				
Long Name: Op	erative Approach			SeqNo:	2435
Short Name: OF	Арр			Core:	Ye
Section Name: Op	erative			Harvest:	Ye
DBTableName Ac	lultData				
Definition: Indica	ate the operative approach.				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	:	Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Cod	les:				
	ode: Value:				
	1 Full conventional sternot	omy			
	2 Partial sternotomy	-			
	3 RIGHT OR LEFT paraste incision	ernal			
	4 Left Thoracotomy				
	5 Dight Thomastomy				

5 Right Thoracotomy

6	5 Transverse sternotomy (includes clamshell)					
	7 Minimally invasive					
Long Name: Robo	otic Technology Assisted				SeqNo:	2436
Short Name: Rob	otic				Core:	Yes
Section Name: Oper	ative				Harvest:	Yes
DBTableName Adu	ltData					
Definition: Indicate	e whether the cardiac surgery	was assisted by 1	robotic technology.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped			
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField	: No		
		ModelField:	No PQRIField	d: No		
Parent Long Name:		Format:	Text (categorical specified by STS)			
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Harvest Codes	S:					
Cod	e: <u>Value:</u>					
1	l Yes					
2	2 No					
Long Name: CAB					SeqNo:	2437
Short Name: OpC					Core:	Yes
Section Name: Oper					Harvest:	Yes
DBTableName Adu						
	e whether coronary artery bypa	ass grafting was	done.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped			
HighValue:	UsualRangeHigh:	ReportField:		· No		
110,000 00000	0.5	ModelField:			5	
Parent Long Name:		Format:	~ Text (categorical specified by STS)	values		
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Harvest Code	s:					
Code	e: <u>Value:</u>					
1	l Yes					

2 No

STS Adult Cardiac Da	atabase					Versio	on: 2.73
Long Name: Valve	2					SeqNo:	2440
Short Name: <b>OpV</b>	alve					Core:	Yes
Section Name: Opera	ative					Harvest:	Yes
DBTableName Adul	tData						
Definition: Indicate	whether a surgical proced	lure was done on th	e Aorti	c, Mitral, Tricu	uspid	or Pulmonic	valves.
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source.	User				
Harvest Codes	:						
Code	e: Value:						
1							
2	No						
Long Name: Valve	e Prosthesis Explant					SeqNo:	2450
Short Name: ValE	_					Core:	Yes
Section Name: Opera	-					Harvest:	Yes
DBTableName Adul	tData						
Definition: Indicate	whether a prosthetic valve	e or annuloplasty w	as expl	anted during th	his pro	ocedure.	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:		NQFField:			
		ModelField:		PQRIField:			
Parent Long Name:	Valve	Format:		(categorical va fied by STS)	lues		
ParentShortName:	OpValve	DataLength:					
ParentValue:	= "Yes"	Data Source.	User				
Harvest Codes	:						
Code	e: Value:						
1	Yes						
2	No						

STS Adult Cardiac Database			Versic	on: 2.73
Long Name: Valve Prosthesis Explant Postion			SeqNo:	2451
Short Name: ValExpPos			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the location of the first expla	inted prosthetic v	alve or annuloplasty.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)		
ParentShortName: ValExp	DataLength:			
ParentValue: = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code: Value:</u>				
1 Aortic				
2 Mitral				
3 Tricuspid				
4 Pulmonic				
Long Name: Valve Explant Type			SeqNo:	2460
Short Name: ValExpTyp			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate the first type of valve device	explanted or ent	er unknown.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
0 0 0	ModelField:	~ PQRIField:		
Parent Long Name: Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)		
ParentShortName: ValExp	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
1 Unknown				
1 011110/11				
2 Mechanical Valve				
<ol> <li>Mechanical Valve</li> <li>Bioprosthetic Valve</li> </ol>				

- 5 Mitral Clip
- 6 Transcatheter Device

Long Name:	Valve Explant Manufacturer	SeqNo:	2461
Short Name:	ValExpMan	Core:	Yes
Section Name:	Operative	Harvest:	Yes

Definition: Indicate the name of the manufacturer of the first prosthesis explanted.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)
ParentShortName:	ValExp	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

#### Harvest Codes:

- 1 None (Homograft or Pulmonary Autograft)
- 2 ATS
- 3 Baxter
- 4 Biocore
- 5 Björk-Shiley
- 6 CarboMedics
- 7 Carpentier-Edwards
- 8 Cosgrove-Edwards
- 9 Cryolife
- 10 Cryolife O'Brien
- 11 Edwards
- 12 Genesee
- 13 Hancock
- 14 Ionescu-Shiley
- 15 Labcor
- 16 LifeNet
- 17 Lillehei-Kaster
- 18 MCRI
- 19 Medtronic
- 20 Medtronic Colvin Galloway

21	Medtronic-Duran
22	Medtronic-Hall
23	Mitroflow
24	OmniCarbon
25	OmniScience
26	Sorin
27	Sorin-Puig
28	St. Jude Medical
29	St. Jude Tailor
30	Starr-Edwards
31	Ultracor
98	Unknown
99	Other

Long Name:	Valve Explant Device	SeqNo:	2462
Short Name:	ValExpDev	Core:	Yes
Section Name.	Operative	Harvest:	Yes

Definition: Indicate the name of the first prosthesis explanted.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)
ParentShortName:	ValExp	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Harvest Codes:

- 2 ATS Mechanical Prosthesis
- 3 Björk-Shiley Convex-Concave Mechanical Prosthesis
- 4 Björk-Shiley Monostrut Mechanical Prosthesis
- 6 CarboMedics Mechanical Prosthesis
- 57 CarboMedics Carbo-Seal Ascending Aortic Valved Conduit Prosthesis

- 58 CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
- 59 CarboMedics Reduced Cuff Aortic Valve
- 60 CarboMedics Standard Aortic Valve
- 61 CarboMedics Top-Hat Supraannular Aortic Valve
- 62 CarboMedics OptiForm Mitral Valve
- 63 CarboMedics Standard Mitral Valve
- 64 CarboMedics Orbis Universal Valve
- 65 CarboMedics Small Adult Aortic and Mitral Valves
- 53 Lillehei-Kaster Mechanical Prosthesis
- 10 MCRI On-X Mechanical Prosthesis
- 8 Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
- 66 Medtronic ADVANTAGE Mechanical Prosthesis
- 9 OmniCarbon Mechanical Prosthesis
- 54 OmniScience Mechanical Prosthesis
- 11 Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
- 12 Sorin Monoleaflet Allcarbon Mechanical Prosthesis
- 13 St. Jude Medical Mechanical Heart Valve
- 67 St. Jude Medical Masters Series Mechanical Heart Valve
- 68 St. Jude Medical Masters Series Aortic Valve Graft Prosthesis
- 69 St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series
- 70 St. Jude Medical Masters

Series Hemodynamic Plus Valve with FlexCuff Sewing Ring

- 71 St. Jude Medical Regent Valve
- 14 Starr-Edwards Caged-Ball Prosthesis
- 15 Ultracor Mechanical Prosthesis
- 133 Medtronic Hall Conduit
- 108 ATS 3f Aortic Bioprosthesis
- 72 Edwards Prima Stentless Porcine Bioprosthesis -Subcoronary
- 73 Edwards Prima Stentless Porcine Bioprosthesis - Root
- 19 Biocor Porcine Bioprosthesis
- 74 Biocor Stentless Porcine Bioprosthesis - Subcoronary
- 75 Biocor Stentless Porcine Bioprosthesis - Root
- 21 CarboMedics PhotoFix Pericardial Bioprosthesis
- 76 Carpentier-Edwards Porcine Bioprosthesis
- 77 Edwards Prima Plus Stentless
   Porcine Bioprosthesis -Subcoronary
- 78 Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
- 22 Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
- 103 Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis
- 23 Carpentier-Edwards Standard Porcine Bioprosthesis
- 25 Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
- 79 Cryolife O'Brien Stentless Porcine Bioprosthesis -Subcoronary
- 80 Cryolife O'Brien Stentless Porcine Bioprosthesis - Root

- 55 Hancock Standard Porcine Bioprosthesis
- 28 Hancock II Porcine Bioprosthesis
- 29 Hancock Modified Orifice Porcine Bioprosthesis
- 30 Ionescu-Shiley Pericardial Bioprosthesis
- 31 Labcor Stented Porcine Bioprosthesis
- 81 Labcor Stentless Porcine Bioprosthesis - Subcoronary
- 82 Labcor Stentless Porcine Bioprosthesis - Root
- 83 Medtronic Freestyle Stentless
   Porcine Bioprosthesis Subcoronary
- 84 Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
- 35 Medtronic Intact Porcine Bioprosthesis
- 36 Medtronic Mosaic Porcine Bioprosthesis
- 85 Medtronic Contegra Bovine Jugular Bioprosthesis
- 37 Mitroflow Pericardial Bioprosthesis
- 39 St. Jude Medical Toronto SPV Stentless Porcine Bioprosthesis
- 40 St. Jude Medical-Bioimplant Porcine Bioprosthesis
- 86 St. Jude Medical Biocor Stented Tissue Valve
- 87 St. Jude Medical Epic Stented Porcine Bioprosthesis
- 88 St. Jude Medical Toronto Root Stentless Porcine Bioprosthesis
- 38 Sorin Pericarbon Stentless Pericardial Bioprosthesis
- 111 Carpentier-Edwards PERIMOUNT MAGNA Pericardial Bioprosthesis with Carpentier-Edwards Thermafix Tissue Process

- 112 Carpentier-Edwards PERIMOUNT Theon RSR Pericardial Bioprosthesis
- 113 Carpentier-Edwards PERIMOUNT RSR Pericardial Bioprosthesis
- 114 Carpentier-Edwards PERIMOUNT Theon Pericardial Bioprosthesis
- 115 Carpentier-Edwards S.A.V. Porcine Bioprosthesis
- 116 Edwards Prima Plus Stentless Bioprosthesis
- 117 Carpentier-Edwards PERIMOUNT Plus Pericardial Bioprosthesis with Tricentrix Holder
- 118 Carpentier-Edwards Duraflex Low Pressure Porcine Bioprosthesis
- 119 Carpentier-Edwards Duraflex Low Pressure ESR Porcine Bioprosthesis
- 120 Carpentier-Edwards PERIMOUNT Theon Pericardial Bioprosthesis with Tricentrix Holder.
- 121 St. Jude Medical Biocor Supra Stented Porcine Bioprosthesis
- 122 St. Jude Medical Epic Supra Stented Porcine Bioprosthesis.
- 134 Carpentier Edwards Physio II
- 135 Carpentier Edwards Perimount Magna Mitral Valve
- 89 CryoLife Aortic Homograft
- 90 CryoLife Pulmonary Homograft
- 91 CryoLife CryoValve SG(Decellularized)Aortic Homograft
- 92 CryoLife CryoValve SG Pulmonary Homograft
- 41 Homograft Aortic -Subcoronary

- 42 Homograft Aortic Root
- 43 Homograft Mitral
- 44 Homograft Pulmonic Root
- 93 LifeNet CV Allografts
- 45 Pulmonary Autograft to aortic root (Ross Procedure)
- 109 ATS Simulus Flex-O Ring
- 110 ATS Simulus Flex-C Band
- 94 CarboMedics AnnuloFlo Ring
- 95 CarboMedics AnnuloFlex Ring
- 96 CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
- 46 Carpentier-Edwards Classic Annuloplasty Ring
- 104 Carpentier-Edwards Geoform Ring
- 105 Carpentier-Edwards IMR Etlogix Ring
- 47 Carpentier-Edwards Physio Annuloplasty System Ring
- 48 Cosgrove-Edwards Annuloplasty System Ring
- 97 Edwards MC<sup>3</sup> Tricuspid Annuloplasty System
- 98 Genesee Sculptor Annuloplasty Ring
- 49 Medtronic Sculptor Ring
- 50 Medtronic-Duran AnCore Ring
- 51 Sorin-Puig-Messana Ring
- 52 St. Jude Medical Séguin Annuloplasty Ring.
- 106 St. Jude Medical Rigid Saddle Ring
- 99 St. Jude Medical Tailor Annuloplasty Ring
- 123 ATS Simulus Flexible Annuloplasty ring.
- 124 ATS Simulus Semi-Rigid Annuloplasty ring
- 125 Carpentier-Edwards Classic

Annuloplasty Ring with Duraflo Treatment

126	Carpentier-Edwards Physio Annuloplasty Ring with Duraflo Treatment
127	Cosgrove-Edwards Annuloplasty System with Duraflo Treatment
128	Myxo Etlogix Annuloplasty Ring

- 131 Sorin Memo 3D Ring
- 132 UNIRING, Universal Annuloplasty System
- 137 Medtronic Colvin Galloway Future Ring
- 138 Medtronic Profile 3D Ring
- 100 Medtronic Colvin Galloway Future Band
- 101 Medtronic Duran Band
- 102 Medtronic Duran Ancore Band
- 107 St. Jude Medical Tailor Annuloplasty Band
- 777 Other

Long Name:	Second Valve Prosthesis Explant	SeqNo:	2463
Short Name:	ValExp2	Core:	Yes
Section Name	Operative	Harvest:	Yes

DBTableName AdultData

Definition: Indicate whether a second prosthetic valve or annuloplasty was explanted during this procedure.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name: N	Valve	Format:	Text (categorical values specified by STS)
ParentShortName: O	pValve	DataLength:	
ParentValue: =	"Yes"	Data Source:	User
Harvest Codes:			
Code:	Value:		
1	Yes		
2	No		

Short Name: Va Section Name: Ope DBTableName Ad			ic valve or annuloplasty.	SeqNo: Core: Harvest:	2464 Yes Yes
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Name	: Second Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)		
ParentShortName:	ValExp2	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod <u>Co</u>	les: <u>de:</u> <u>Value:</u> 1 Aortic 2 Mitral 3 Tricuspid 4 Pulmonic				
Long Name: Sec	cond Valve Explant Type			SeqNo:	2465
Ū.	ІЕхрТур2			Core:	Yes
Section Name: Ope				Harvest:	Yes
DBTableName Ad	lultData				
Definition: Indica	ate the second type of valve dev	vice explanted or	enter unknown.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: Second Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)		
ParentShortName:	ValExp2	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	es:				
Co	de: Value:				
	1 Unknown				
	2 Mechanical Valve				
	3 Bioprosthetic Valve				

- 4 Annuloplasty Device
- 5 Mitral Clip
- 6 Transcatheter Device

Long Name:	Second Valve Explant Manufacturer	SeqNo:	2466
Short Name:	ValExpMan2	Core:	Yes
Section Name:	Operative	Harvest:	Yes

Definition: Indicate the name of the manufacturer of the second prosthesis explanted.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Second Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)
ParentShortName:	ValExp2	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

### Harvest Codes:

- 1 None (Homograft or Pulmonary Autograft)
- 2 ATS
- 3 Baxter
- 4 Biocore
- 5 Björk-Shiley
- 6 CarboMedics
- 7 Carpentier-Edwards
- 8 Cosgrove-Edwards
- 9 Cryolife
- 10 Cryolife O'Brien
- 11 Edwards
- 12 Genesee
- 13 Hancock
- 14 Ionescu-Shiley
- 15 Labcor
- 16 LifeNet
- 17 Lillehei-Kaster
- 18 MCRI
- 19 Medtronic

- 20 Medtronic Colvin Galloway
- 21 Medtronic-Duran
- 22 Medtronic-Hall
- 23 Mitroflow
- 24 OmniCarbon
- 25 OmniScience
- 26 Sorin
- 27 Sorin-Puig
- 28 St. Jude Medical
- 29 St. Jude Tailor
- 30 Starr-Edwards
- 31 Ultracor
- 98 Unknown
- 99 Other

Long Name:	Second Valve Explant Device	SeqNo:	2467
Short Name:	ValExpDev2	Core:	Yes
Section Name:	Operative	Harvest:	Yes

Definition: Indicate the name of the first prosthesis explanted.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Second Valve Prosthesis Explant	Format:	Text (categorical values specified by STS)
ParentShortName:	ValExp2	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

### Harvest Codes:

- 2 ATS Mechanical Prosthesis
- 3 Björk-Shiley Convex-Concave Mechanical Prosthesis
- 4 Björk-Shiley Monostrut Mechanical Prosthesis
- 6 CarboMedics Mechanical Prosthesis
- 57 CarboMedics Carbo-Seal Ascending Aortic Valved

Conduit Prosthesis

- 58 CarboMedics Carbo-Seal Valsalva Ascending Aortic Valved Conduit Prosthesis
- 59 CarboMedics Reduced Cuff Aortic Valve
- 60 CarboMedics Standard Aortic Valve
- 61 CarboMedics Top-Hat Supraannular Aortic Valve
- 62 CarboMedics OptiForm Mitral Valve
- 63 CarboMedics Standard Mitral Valve
- 64 CarboMedics Orbis Universal Valve
- 65 CarboMedics Small Adult Aortic and Mitral Valves
- 53 Lillehei-Kaster Mechanical Prosthesis
- 10 MCRI On-X Mechanical Prosthesis
- 8 Medtronic-Hall/Hall Easy-Fit Mechanical Prosthesis
- 66 Medtronic ADVANTAGE Mechanical Prosthesis
- 9 OmniCarbon Mechanical Prosthesis
- 54 OmniScience Mechanical Prosthesis
- 11 Sorin Bicarbon (Baxter Mira) Mechanical Prosthesis
- 12 Sorin Monoleaflet Allcarbon Mechanical Prosthesis
- 13 St. Jude Medical Mechanical Heart Valve
- 67 St. Jude Medical Masters Series Mechanical Heart Valve
- 68 St. Jude Medical Masters Series Aortic Valve Graft Prosthesis
- 69 St. Jude Medical Mechanical Heart Valve Hemodynamic Plus (HP) Series

- 70 St. Jude Medical Masters Series Hemodynamic Plus Valve with FlexCuff Sewing Ring
- 71 St. Jude Medical Regent Valve
- 14 Starr-Edwards Caged-Ball Prosthesis
- 15 Ultracor Mechanical Prosthesis
- 133 Medtronic Hall Conduit
- 108 ATS 3f Aortic Bioprosthesis
- 72 Edwards Prima Stentless Porcine Bioprosthesis -Subcoronary
- 73 Edwards Prima Stentless Porcine Bioprosthesis - Root
- 19 Biocor Porcine Bioprosthesis
- 74 Biocor Stentless Porcine Bioprosthesis - Subcoronary
- 75 Biocor Stentless Porcine Bioprosthesis - Root
- 21 CarboMedics PhotoFix Pericardial Bioprosthesis
- 76 Carpentier-Edwards Porcine Bioprosthesis
- 77 Edwards Prima Plus Stentless
   Porcine Bioprosthesis -Subcoronary
- 78 Edwards Prima Plus Stentless Porcine Bioprosthesis - Root
- 22 Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis
- 103 Carpentier-Edwards PERIMOUNT Pericardial Magna Bioprosthesis
- 23 Carpentier-Edwards Standard Porcine Bioprosthesis
- 25 Carpentier-Edwards Supra-Annular Aortic Porcine Bioprosthesis
- 79 Cryolife O'Brien Stentless Porcine Bioprosthesis -Subcoronary
- 80 Cryolife O'Brien Stentless

Porcine Bioprosthesis - Root

- 55 Hancock Standard Porcine Bioprosthesis
- 28 Hancock II Porcine Bioprosthesis
- 29 Hancock Modified Orifice Porcine Bioprosthesis
- 30 Ionescu-Shiley Pericardial Bioprosthesis
- 31 Labcor Stented Porcine Bioprosthesis
- 81 Labcor Stentless Porcine Bioprosthesis - Subcoronary
- 82 Labcor Stentless Porcine Bioprosthesis - Root
- 83 Medtronic Freestyle Stentless Porcine Bioprosthesis -Subcoronary
- 84 Medtronic Freestyle Stentless Porcine Bioprosthesis - Root
- 35 Medtronic Intact Porcine Bioprosthesis
- 36 Medtronic Mosaic Porcine Bioprosthesis
- 85 Medtronic Contegra Bovine Jugular Bioprosthesis
- 37 Mitroflow Pericardial Bioprosthesis
- 39 St. Jude Medical Toronto SPV Stentless Porcine Bioprosthesis
- 40 St. Jude Medical-Bioimplant Porcine Bioprosthesis
- 86 St. Jude Medical Biocor Stented Tissue Valve
- 87 St. Jude Medical Epic Stented Porcine Bioprosthesis
- 88 St. Jude Medical Toronto Root Stentless Porcine Bioprosthesis
- 38 Sorin Pericarbon Stentless Pericardial Bioprosthesis
- 111 Carpentier-Edwards PERIMOUNT MAGNA Pericardial Bioprosthesis with

Carpentier-Edwards Thermafix Tissue Process

- 112 Carpentier-Edwards PERIMOUNT Theon RSR Pericardial Bioprosthesis
- 113 Carpentier-Edwards PERIMOUNT RSR Pericardial Bioprosthesis
- 114 Carpentier-Edwards PERIMOUNT Theon Pericardial Bioprosthesis
- 115 Carpentier-Edwards S.A.V. Porcine Bioprosthesis
- 116 Edwards Prima Plus Stentless Bioprosthesis
- 117 Carpentier-Edwards PERIMOUNT Plus Pericardial Bioprosthesis with Tricentrix Holder
- 118 Carpentier-Edwards Duraflex Low Pressure Porcine Bioprosthesis
- 119 Carpentier-Edwards Duraflex Low Pressure ESR Porcine Bioprosthesis
- 120 Carpentier-Edwards PERIMOUNT Theon Pericardial Bioprosthesis with Tricentrix Holder.
- 121 St. Jude Medical Biocor Supra Stented Porcine Bioprosthesis
- 122 St. Jude Medical Epic Supra Stented Porcine Bioprosthesis.
- 134 Carpentier Edwards Physio II
- 135 Carpentier Edwards Perimount Magna Mitral Valve
- 89 CryoLife Aortic Homograft
- 90 CryoLife Pulmonary Homograft
- 91 CryoLife CryoValve SG(Decellularized)Aortic Homograft
- 92 CryoLife CryoValve SG Pulmonary Homograft

- 41 Homograft Aortic -Subcoronary
- 42 Homograft Aortic Root
- 43 Homograft Mitral
- 44 Homograft Pulmonic Root
- 93 LifeNet CV Allografts
- 45 Pulmonary Autograft to aortic root (Ross Procedure)
- 109 ATS Simulus Flex-O Ring
- 110 ATS Simulus Flex-C Band
- 94 CarboMedics AnnuloFlo Ring
- 95 CarboMedics AnnuloFlex Ring
- 96 CarboMedics CardioFix Bovine Pericardium with PhotoFix Technology
- 46 Carpentier-Edwards Classic Annuloplasty Ring
- 104 Carpentier-Edwards Geoform Ring
- 105 Carpentier-Edwards IMR Etlogix Ring
- 47 Carpentier-Edwards Physio Annuloplasty System Ring
- 48 Cosgrove-Edwards Annuloplasty System Ring
- 97 Edwards MC<sup>3</sup> Tricuspid Annuloplasty System
- 98 Genesee Sculptor Annuloplasty Ring
- 49 Medtronic Sculptor Ring
- 50 Medtronic-Duran AnCore Ring
- 51 Sorin-Puig-Messana Ring
- 52 St. Jude Medical Séguin Annuloplasty Ring.
- 106 St. Jude Medical Rigid Saddle Ring
- 99 St. Jude Medical Tailor Annuloplasty Ring
- 123 ATS Simulus Flexible Annuloplasty ring.
- 124 ATS Simulus Semi-Rigid

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Annuloplasty ring

- 125 Carpentier-Edwards Classic Annuloplasty Ring with Duraflo Treatment
- 126 Carpentier-Edwards Physio Annuloplasty Ring with Duraflo Treatment
- 127 Cosgrove-Edwards Annuloplasty System with Duraflo Treatment
- 128 Myxo Etlogix Annuloplasty Ring
- 131 Sorin Memo 3D Ring
- 132 UNIRING, Universal Annuloplasty System
- 137 Medtronic Colvin Galloway Future Ring
- 138 Medtronic Profile 3D Ring
- 100 Medtronic Colvin Galloway Future Band
- 101 Medtronic Duran Band
- 102 Medtronic Duran Ancore Band
- 107 St. Jude Medical Tailor Annuloplasty Band
- 777 Other

Long Name: VAD						SeqNo:	2470
Short Name: VAD						Core:	No
Section Name: Operat	tive					Harvest:	No
DBTableName Adult	Data						
Definition: Indicate	whether a ventricular assist	device (VAD) wa	as impla	inted.			
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		categorical va ied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
Code:	Value:						

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1	Yes				
2	No				
Long Name: VAD I	mplanted or Removed			SeqNo:	2480
Short Name: VADP	roc			Core:	Yes
Section Name: Operat	ive			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether a VAD was impla	anted or removed d	uring this procedure.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)	es	
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	No				
2	Yes, implanted				
3	Yes, explanted				
4	Yes, implanted and expl	anted			
Long Name: Other	Card			SeqNo:	2490
Short Name: OpOC	ard			Core:	Yes
Section Name: Operat	ive			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	whether an other cardiac p	procedure was done	e (other than CABG and	/or Valve procee	lures).
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: N	lo	
		ModelField:	No PQRIField: N	lo	
Parent Long Name:		Format:	Text (categorical valuspecified by STS)	es	
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				

2 No

Long Name: Other 1	Non Card					SeqNo:	2500
Short Name: OpON	Card					Core:	Yes
Section Name: Operat	ive					Harvest:	Yes
DBTableName Adult	Data						
Definition: Indicate	whether a non-cardiac proced	ure was done.					
LowValue:	UsualRangeLow:	ACCField:	Not ma	pped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		categorical va ied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
Code:	Value:						
1	Yes						
2	No						
Long Name: Unplan	ned Procedure					SeqNo:	2501
Short Name: UnplP						Core:	Yes
Section Name: Operat						Harvest:	Yes
DBTableName Adult	Data						
Definition: Indicate i	f an unplanned procedure wa	s done during t	his oper	ation.			
LowValue:	UsualRangeLow:	ACCField:	Not ma	pped			
HighValue:	UsualRangeHigh:	ReportField:		NQFField:			
		ModelField:		PQRIField:			
Parent Long Name:		Format:		categorical va ied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
	Value:						
Code:							
<u>Code:</u> 1	No						
	No Yes, unsuspected patient disease or anatomy						

STS Adult Cardiac	Database			Versio	on: 2.73
Long Name: Ung	blanned CABG			SeqNo:	250
Short Name: Unj	plCABG			Core:	Ye
Section Name: Ope	prative			Harvest:	Ye
DBTableName Ad	ultData				
Definition: Indica	te whether unplanned procedure	e was a CABG.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Unplanned Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	UnplProc	DataLength:			
ParentValue:	= "Yes, unsuspected patient disease or anatomy" or "Yes, surgical complication"	Data Source:	User		
Harvest Code	es:				
Cod	de: <u>Value:</u>				
	1 Yes				
	2 No				
Long Name: Unp	blanned Aortic Valve Procedure			SeqNo:	2503
	plAV			Core:	Ye
Section Name: Ope				Harvest:	Ye
DBTableName Ad	ultData				
Definition: Indica	te whether unplanned procedure	e was an aortic v	valve repair or replacement		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Unplanned Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	UnplProc	DataLength:			
ParentValue:	= "Yes, unsuspected patient disease or anatomy" or "Yes, surgical complication"	Data Source:	User		
Harvest Code	es:				
Co	de: Value:				
000					
<u></u>	1 Yes				

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Unplanned Mitral Valve Procedure			SeqNo:	2504
Short Name: UnplMV			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether unplanned procedure	e was a mitral va	alve repair or replacement.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Unplanned Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: UnplProc	DataLength:			
ParentValue: = "Yes, unsuspected patient disease or anatomy" or "Yes, surgical complication"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Unplanned Aorta Procedure			SeqNo:	2505
Short Name: UnplAo			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether unplanned procedure	e was an aorta p	rocedure.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Unplanned Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: UnplProc	DataLength:			
ParentValue: = "Yes, unsuspected patient disease or anatomy" or "Yes, surgical complication"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

STS Adult Cardiac	Database			Versio	on: 2.73
Long Name: Unp	blanned VAD			SeqNo:	250
Short Name: Unj	plVAD			Core:	Ye
Section Name: Ope	rative			Harvest:	Ye
DBTableName Ad	ultData				
Definition: Indica	te whether unplanned procedure	e was a VAD in	sertion.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Unplanned Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	UnplProc	DataLength:			
ParentValue:	= "Yes, unsuspected patient disease or anatomy" or "Yes, surgical complication"	Data Source:	User		
Harvest Code	es:				
Coo	de: Value:				
	1 Yes				
	2 No				
Long Name: Ung	blanned Other Procedure			SeqNo:	2507
-	olOth			Core:	Yes
Section Name: Ope				Harvest:	Yes
DBTableName Ad	ultData				
Definition: Indica	te if other unplanned procedure	was performed.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Unplanned Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	UnplProc	DataLength:			
	= "Yes, unsuspected patient	Data Source:	User		
ParentValue:	disease or anatomy" or "Yes, surgical complication"				
ParentValue: Harvest Code	surgical complication"				
Harvest Code	surgical complication"				
Harvest Code	surgical complication"				

STS Adult Cardiac Database	Version: 2.7
Long Name: CPT-1 Code # 1	SeqNo: 251
Short Name: CPT1Code1	Core: Ye
Section Name: Operative	Harvest: Ye
DBTableName AdultData	
<i>Definition:</i> Indicate the first CPT procedure co collection form was initiated.	ode (CPT-1) pertaining to the surgery for which the data
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name:	Format: Text - Length exactly 5
ParentShortName:	DataLength:
ParentValue:	Data Source: User or Automatic
Long Name: CPT-1 Code # 2	SeqNo: 252
Short Name: CPT1Code2	Core: Ye
Section Name: Operative	Harvest: Ye
DBTableName AdultData	
	CPT procedure code (CPT-1) pertaining to the surgery for which ted.
Definition: Indicate, if applicable, the second	
<i>Definition:</i> Indicate, if applicable, the second the data collection form was initiat	ted.
Definition:Indicate, if applicable, the second of the data collection form was initiatLowValue:UsualRangeLow:	ACCField: Not mapped
Definition:Indicate, if applicable, the second of the data collection form was initiatLowValue:UsualRangeLow:	aed. ACCField: Not mapped ReportField: No NQFField: No
Definition:Indicate, if applicable, the second of the data collection form was initiatLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ACCField: Not mapped ReportField: No NQFField: No ModelField: No PQRIField: No

STS Adult Cardiac Database		Version: 2.7
Long Name: CPT-1 Code #	# 3	SeqNo: 25.
Short Name: CPT1Code3		Core: Y
Section Name: Operative		Harvest: Y
DBTableName AdultData		
	icable, the third Cl form was initiated.	PT procedure code (CPT-1) pertaining to the surgery for which the
LowValue: Usual	RangeLow:	ACCField: Not mapped
HighValue: Usual	lRangeHigh:	ReportField: No NQFField: No
		ModelField: No PQRIField: No
Parent Long Name: CPT-1	Code # 2	Format: Text - Length exactly 5
ParentShortName: CPT1Co	de2	DataLength:
ParentValue: Is Not Missing		Data Source: User or Automatic
Long Name: CPT-1 Code Short Name: CPT1Code4 Section Name: Operative	¥ 4	SeqNo: 254 Core: Y Harvest: Y
DBTableName AdultData		
	icable, the fourth C on form was initia	CPT procedure code (CPT-1) pertaining to the surgery for which ted.
LowValue: Usual	RangeLow:	ACCField: Not mapped
HighValue: Usual	lRangeHigh:	ReportField: No NQFField: No
		ModelField: No PQRIField: No
Parent Long Name: CPT-1 (	Code # 3	Format: Text - Length exactly 5
-		
ParentShortName: CPT1Co	de3	DataLength:

STS Adult Cardiac Database	Version: 2.73
Long Name: CPT-1 Code # 5	<i>SeqNo:</i> 2550
Short Name: CPT1Code5	Core: Yes
Section Name: Operative	Harvest: Yes
DBTableName AdultData	
Definition: Indicate, if applicable, the fif data collection form was init	th CPT procedure code (CPT-1) pertaining to the surgery for which the iated.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: CPT-1 Code # 4	<i>Format:</i> Text - Length exactly 5
ParentShortName: CPT1Code4	DataLength:
ParentValue: Is Not Missing	Data Source: User or Automatic SeqNo: 2560
ParentValue:       Is Not Missing         Long Name:       CPT-1 Code # 6         Short Name:       CPT1Code6	SeqNo: 2560 Core: Yes
ParentValue:Is Not MissingLong Name:CPT-1 Code # 6Short Name:CPT1Code6Section Name:Operative	SeqNo: 2560
ParentValue:Is Not MissingLong Name:CPT-1 Code # 6Short Name:CPT1Code6Section Name:OperativeDBTableNameAdultData	SeqNo: 2560 Core: Yes Harvest: Yes xth CPT procedure code (CPT-1) pertaining to the surgery for which
ParentValue:Is Not MissingLong Name:CPT-1 Code # 6Short Name:CPT1Code6Section Name:OperativeDBTableNameAdultDataDefinition:Indicate, if applicable, the six the data collection form was	SeqNo: 2560 Core: Yes Harvest: Yes xth CPT procedure code (CPT-1) pertaining to the surgery for which
ParentValue:Is Not MissingLong Name:CPT-1 Code # 6Short Name:CPT1Code6Section Name:OperativeDBTableNameAdultDataDefinition:Indicate, if applicable, the six the data collection form was	SeqNo: 256 Core: Yes Harvest: Yes sth CPT procedure code (CPT-1) pertaining to the surgery for which initiated. ACCField: Not mapped
ParentValue:Is Not MissingLong Name:CPT-1 Code # 6Short Name:CPT1Code6Section Name:OperativeDBTableNameAdultDataDefinition:Indicate, if applicable, the size the data collection form wasLowValue:UsualRangeLow:	SeqNo: 256 Core: Yes Harvest: Yes sth CPT procedure code (CPT-1) pertaining to the surgery for which initiated. ACCField: Not mapped
ParentValue:       Is Not Missing         Long Name:       CPT-1 Code # 6         Short Name:       CPT1Code6         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate, if applicable, the size the data collection form was         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:	SeqNo: 2560 Core: Yes Harvest: Yes kth CPT procedure code (CPT-1) pertaining to the surgery for which initiated. ACCField: Not mapped ReportField: No NQFField: No
ParentValue:Is Not MissingLong Name:CPT-1 Code # 6Short Name:CPT1Code6Section Name:OperativeDBTableNameAdultDataDefinition:Indicate, if applicable, the size the data collection form wasLowValue:UsualRangeLow:	SeqNo: 2560 Core: Yes Harvest: Yes with CPT procedure code (CPT-1) pertaining to the surgery for which initiated. ACCField: Not mapped ReportField: No NQFField: No ModelField: No PQRIField: No

STS Adult Cardiac Database	Version: 2.75
Long Name: CPT-1 Code # 7	SeqNo: 257
Short Name: CPT1Code7	<i>Core:</i> Ye
Section Name: Operative	Harvest: Ye
DBTableName AdultData	
<i>Definition:</i> Indicate, if applicable, the seventh the data collection form was initiated	CPT procedure code (CPT-1) pertaining to the surgery for which ed.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: CPT-1 Code # 6	<i>Format:</i> Text - Length exactly 5
ParentShortName: CPT1Code6	DataLength:
ParentValue: Is Not Missing	Data Source: User or Automatic
Long Name:CPT-1 Code # 8Short Name:CPT1Code8Section Name:Operative	SeqNo: 258 Core: Ye Harvest: Ye
DBTableName AdultData	
<i>Definition:</i> Indicate, if applicable, the eighth C the data collection form was initiated	PT procedure code (CPT-1) pertaining to the surgery for which ed.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: CPT-1 Code # 7	<i>Format:</i> Text - Length exactly 5
Parent Long Name: CPT-1 Code # 7 ParentShortName: CPT1Code7	Format: Text - Length exactly 5 DataLength:

STS Adult Cardiac Database Long Name: CPT-1 Code # 9	Version: 2.73 SegNo: 2590
0	*
Short Name: CPT1Code9 Section Name: Operative	Core: Yes Harvest: Yes
	narvest. 1 c.
DBTableNameAdultDataDefinition:Indicate, if applicable, the ninth the data collection form was init	CPT procedure code (CPT-1) pertaining to the surgery for which tiated.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: CPT-1 Code # 8	<i>Format:</i> Text - Length exactly 5
ParentShortName: CPT1Code8	DataLength:
ParentValue: Is Not Missing	Data Source: User or Automatic
Short Name: CPT1Code10	Core: Yes
Section Name: Operative	Harvest: Yes
Section Name: Operative	Harvest: Yes
DBTableName AdultData	CPT procedure code (CPT-1) pertaining to the surgery for which
DBTableName AdultData Definition: Indicate, if applicable, the tenth	CPT procedure code (CPT-1) pertaining to the surgery for which
DBTableName AdultData Definition: Indicate, if applicable, the tenth the data collection form was init	CPT procedure code (CPT-1) pertaining to the surgery for which tiated.
DBTableName AdultData Definition: Indicate, if applicable, the tenth the data collection form was init LowValue: UsualRangeLow:	CPT procedure code (CPT-1) pertaining to the surgery for which tiated. ACCField: Not mapped
DBTableName       AdultData         Definition:       Indicate, if applicable, the tenth the data collection form was init         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:	CPT procedure code (CPT-1) pertaining to the surgery for which tiated. <i>ACCField:</i> Not mapped <i>ReportField:</i> No <i>NQFField:</i> No
DBTableName AdultData Definition: Indicate, if applicable, the tenth the data collection form was init LowValue: UsualRangeLow:	CPT procedure code (CPT-1) pertaining to the surgery for which tiated. <i>ACCField:</i> Not mapped <i>ReportField:</i> No <i>NQFField:</i> No <i>ModelField:</i> No <i>PQRIField:</i> No

STS Adult Cardia	c Database				Vers	sion: 2.73
Long Name: O	R Entry Date And Time				SeqNo:	2610
Short Name: C	REntryDT				Core:	Yes
Section Name: O	perative				Harvest:	Yes
DBTableName A	AdultData					
oper	cate the date and time, to the n cating room. If the procedure v n the sterile field, or its equiva	was performed in a	0	, · ·	1	
LowValue:	UsualRangeLow:	ACCField:	Not m	napped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Nan	le:	Format:	mm/c	and time in the ld/yyyy hh:mm in 24-hour cloc	with the	
ParentShortName	2:	DataLength:				
ParentValue:		Data Source:	User			
Short Name: C Section Name: O	-				SeqNo: Core: Harvest:	2620 Yes Yes
DBTableName A	AdultData					
oper	cate the date and time, to the n rating room. If the procedure v n the sterile field, or its equiva	was performed in a	locatio			
LowValue:	UsualRangeLow:	ACCField:	Not m	napped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Nan	ie:	Format:	mm/c	and time in the ld/yyyy hh:mm in 24-hour cloc	with the	
ParentShortName	2:	DataLength:				

STS Adult Cardiac Database		Versior	า: 2.73
Long Name:	Initial Intubation Date And Time	SeqNo:	2670
Short Name:	IntubateDT	Core:	Yes
Section Name.	· Operative	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the date (mm/dd/yyyy) and time (hh:mm) (24 hour clock) ventilatory support started. The following guidelines apply:

 Capture the intubation closest to the surgical start time. If the patient was intubated upon admission and remained intubated until the surgical start time, capture this intubation's date and time.
 If the patient was admitted intubated (intubated at another institution) and remained continually intubated until the surgical start time, capture the patient's admission date and time.

3. If the patient was admitted with a tracheostomy in place without ventilatory support, capture the date and time closest to the surgical start time that ventilatory support was initiated.

4. If the patient was admitted with a tracheostomy in place receiving chronic ventilatory support, capture the admission date and time.

5. If the intubation date and time is otherwise unknown, enter the date and time the patient entered the operating room.

6. Do not alter the previously established date and time that ventilatory support was initiated for scenarios including, but not limited to, interruptions in ventilatory support due to accidental extubation/de-cannulation, elective tube change etc.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name:		Format:	mm/de	and time in the d/yyyy hh:mn n 24-hour cloo	n with the
ParentShortName:		DataLength:			
ParentValue:		Data Source.	User		

Long Name: In	nitial Extubation Date And Tin	ne			Sec	qNo:	2680
Short Name: E	xtubateDT					Core:	Yes
Section Name: O	perative				Harv	est:	Yes
DBTableName	AdultData						
	cate the date (mm/dd/yyyy) an sed after surgery. The following			clock) ventilato	ry support	initially	T
2. 1 with clos 3. 1 time	Capture the extubation closest to f the patient has a tracheostom in the hospital admission, capi est to the surgical stop time. f the patient expires while intu- e of expiration. f patient is discharged on chro	and is separated f ture the date and tin ubated or cannulated	rom th ne of so l and or	eparation from	the mechar	nical ver	ntilator
LowValue:	UsualRangeLow:	ACCField:	Not m	napped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Nan	ne:	Format:	mm/c	and time in the ld/yyyy hh:mm in 24-hour cloc	with the		
ParentShortNam	<i>e</i> :	DataLength:					
ParentValue:		Data Source:	User				
Long Name: S	kin Incision Start Date And Ti	me			Sec	qNo:	2690
0	IStartDT					Core:	Yes
Section Name: O	perative				Harv	est:	Yes
DBTableName	AdultData						
equ	cate the date and time, to the n ivalent, was made. For examp rtion time.						
LowValue:	UsualRangeLow:	ACCField:	Not m	napped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Nan	ne:	Format:	mm/o	and time in the ld/yyyy hh:mm in 24-hour cloc	with the		
ParentShortNam	2:	DataLength:					
ParentValue:		Data Source:	User				

STS Adult Cardiac Database

Version: 2.73

	Database					on: 2.73
Long Name: Skin	Incision Stop Date And Ti	me			SeqNo:	270
	topDT				Core:	Ye
Section Name: Ope	rative				Harvest:	Ye
DBTableName Ad	ıltData					
closed	te the date and time, to the n , or its equivalent (i.e. remo n open incision, collect the t	val of bronchoscop	e). If the	ne patient leave	es the operating ro	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:		Format:	mm/c	and time in the ld/yyyy hh:mm in 24-hour cloc	n with the	
ParentShortName:		DataLength:				
ParentValue:		Data Source:	User			
Short Name: Ab	oropriate Antibiotic Selection Select				SeqNo: Core:	271 Ye
-					Harvest:	Ye
-					Harvest:	Ye
cephal		otic, documentation	that it	was given preo	ond generation peratively or in th	
DBTableName Ad Definition: Indica cephal	ıltData te if there was documentatic osporin prophylactic antibic	otic, documentation	that it	was given preo is ordered and a	ond generation peratively or in th	
DBTableName Ad Definition: Indica cephal event LowValue:	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a	otic, documentation alternate antibiotic	that it choice	was given preo is ordered and a	ond generation peratively or in th administered.	
DBTableName Ad Definition: Indica cephal event	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i>	otic, documentation alternate antibiotic o ACCField:	that it y choice i Not m Yes	was given preo is ordered and a happed	ond generation peratively or in th administered. No	
DBTableName Ad Definition: Indica cephal event LowValue: HighValue:	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i>	otic, documentation alternate antibiotic ACCField: ReportField:	that it r choice Not m Yes No Text	was given preo is ordered and a napped NQFField:	ond generation peratively or in th administered. No No	Ye
DBTableName Ad Definition: Indica cephal event LowValue: HighValue: Parent Long Name:	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i>	otic, documentation alternate antibiotic o <i>ACCField:</i> <i>ReportField:</i> <i>ModelField:</i>	that it r choice Not m Yes No Text	was given preo is ordered and a napped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	ond generation peratively or in th administered. No No	
DBTableName Ad Definition: Indica cephal event LowValue: HighValue: Parent Long Name: ParentShortName:	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i>	otic, documentation alternate antibiotic o ACCField: ReportField: ModelField: Format:	that it	was given preo is ordered and a napped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	ond generation peratively or in th administered. No No	
DBTableName Ad Definition: Indica cephal event LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue:	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	otic, documentation alternate antibiotic of ACCField: ReportField: ModelField: Format: DataLength:	that it	was given preo is ordered and a napped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	ond generation peratively or in th administered. No No	
DBTableName Ad Definition: Indica cephal event LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> es and Value Definitions:	otic, documentation alternate antibiotic o ACCField: ReportField: ModelField: Format: DataLength: Data Source:	that it	was given preo is ordered and a napped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	ond generation peratively or in th administered. No No	
DBTableName Ad Definition: Indica cephal event LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	otic, documentation alternate antibiotic of ACCField: ReportField: ModelField: Format: DataLength:	that it	was given preo is ordered and a napped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	ond generation peratively or in th administered. No No	
DBTableName Ad Definition: Indica cephal event LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code	ultData te if there was documentatic osporin prophylactic antibic of a documented allergy an a <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> es and Value Definitions: <u>le: Value:</u>	otic, documentation alternate antibiotic o ACCField: ReportField: ModelField: Format: DataLength: Data Source:	that it	was given preo is ordered and a napped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	ond generation peratively or in th administered. No No	

STS Adult Cardiac Database	Version: 2.73		
Long Name: Appropriate Antibiotic Administration Timing	SeqNo:	2720	
Short Name: AbxTiming	Core:	Yes	
Section Name: Operative	Harvest:	Yes	

DBTableName AdultData

*Definition:* Indicate whether prophylactic antibiotics were administered within one hour of surgical incision or start of procedure if no incision required (two hours if receiving vancomycin or fluoroquinolone).

The surgical incision time is the time of the first incision, regardless of location.

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	Yes
		ModelField:	No	PQRIField:	Yes
Parent Long Name:		Format:		categorical va ed by STS)	lues
ParentShortName:		DataLength:			
ParentValue:		Data Source.	User		
Harvest Codes	and Value Definitions:				
Code	Value:	<u>Definitio</u>	<u>n:</u>		
1	Ves	Given			

1	Yes	Given
2	No	Not given, no documented reason
3		Documented contraindication or rationale for not administering antibiotic in medical record

STS Adult Cardiac Database		Versio	n: 2.73
Long Name:	Appropriate Antibiotic Discontinuation	SeqNo:	2730
Short Name:	AbxDisc	Core:	Yes
Section Name.	· Operative	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the prophylactic antibiotics were ordered to be discontinued OR were discontinued within 48 hours after surgery end time.

Determining the timeframe (within 48 hours) begins at the "surgical end time" - the time the patient leaves the operating room.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: Yes
		ModelField:	No PQRIField: Yes
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User

Harvest Codes:

Code: Value:

- 1 Yes
- 2 No

3 Exclusion

Long Name:	CPB Utilization	SeqNo:	2740
Short Name:	CPBUtil	Core:	Yes
Section Name	Operative	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the level of CPB or coronary perfusion used during the procedure.

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	No	PQRIField:	Yes
Parent Long Name:		Format:		categorical va ed by STS)	lues
ParentShortName:		DataLength:			
ParentValue:		Data Source	User		
Harvest Codes a	and Value Definitions:				
Code:	Value:	Definitio	<u>n:</u>		
1	None	No CPB procedur		ary perfusion	used during the

STS Audit Cardiac Database		
2 Combinat	ion	With or without CPB and/or with or without coronary perfusion at any time during the procedure (capture conversions from off-pump to on-pump only):
		At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> CPB At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> Coronary perfusion At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> Coronary perfusion -> conversion to -> CPB
3 Full		CPB or coronary perfusion was used for the entire procedure
Long Name: CPB Utilization -	Combination Plan	<i>SeqNo:</i> 2750
Short Name: CPBCmb		Core: Yes
Section Name: Operative		Harvest: Yes
DBTableName AdultData		
Definition: Indicate whether the unplanned conversion		edure from off-pump to on-pump was a planned or an
LowValue: UsualRan	geLow:	ACCField: Not mapped
HighValue: UsualRan	geHigh:	ReportField: No NQFField: No
		ModelField: No PQRIField: No
Parent Long Name: CPB Utilizat	tion	Format: Text (categorical values specified by STS)
ParentShortName: CPBUtil		DataLength:
<i>ParentValue:</i> = "Combinat"	ion"	Data Source: User
Harvest Codes and Value D	Definitions:	
Code: Value:		Definition:
1 Planned		The surgeon intended to treat with any of the combination options described in "CPB utilization".
2 Unplanned	d	The surgeon did not intend to treat with any of the combination options described in "CPB utilization".

STS Adult Cardiac Database					Versic	n: 2.73
Long Name: CPB Utilization - Unplanned Combi	nation Reason				SeqNo:	2760
Short Name: CPBCmbR					Core:	Yes
Section Name: Operative					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the reason that the procedure r	equired the ini	tiation	of CPB and/or	coro	nary perfusion	1.
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: CPB Utilization - Combination Plan	Format:		(categorical va fied by STS)	lues		
ParentShortName: CPBCmb	DataLength:					
<i>ParentValue:</i> = "Unplanned"	Data Source:	User				
Harvest Codes:						
Code: Value:						
1 Exposure/visualization						
2 Bleeding						
3 Inadequate size and/or diffus disease of distal vessel	se					
4 Hemodynamic instability (hypotension/arrhythmias)						
5 Conduit quality and/or traum	na					
9 Other						

STS Adult Cardiac Database	Version: 2.73	3
Long Name: Cardiopulmonary Bypass Time	SeqNo: 277	0
Short Name: PerfusTm	Core: Ye	es
Section Name: Operative	Harvest: Ye	s
DBTableName AdultData		
<i>Definition:</i> Indicate the total number of minutes that systemic return is diverted into t (CPB) circuit and returned to the systemic system. This time period (Card includes all periods of cerebral perfusion and sucker bypass. This time pe Bypass Time) excludes any circulatory arrest and modified ultrafiltration period of CPB is required during the surgical procedure, the sum of all the total number of CPB minutes.	iopulmonary Bypass Time riod (Cardiopulmonary periods. If more than one	
LowValue: 1 UsualRangeLow: 1 ACCField: Not mapped		
HighValue: 999 UsualRangeHigh: 300 ReportField: Yes NQFField.	No	

		ModelField:	No	PQRIField: No	
Parent Long Name:	CPB Utilization	Format:	Integer	ſ	
ParentShortName:	CPBUtil	DataLength:			
ParentValue:	= "Combination" or "Full"	Data Source:	User		

Long Name: Lowest Temp		SeqNo:	2780
Short Name: LwstTemp		Core:	Yes
Section Name: Operative		Harvest:	Yes
DBTableName AdultData			
Definition: Record the patient's lowest core temper	rature during the procedure in degrees c	entigrade.	
LowValue: 5.0 UsualRangeLow:	ACCField: Not mapped		
HighValue: 40.0 UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CPB Utilization	Format: Real		
ParentShortName: CPBUtil	DataLength:		
<i>ParentValue:</i> = "Combination" or "Full"	Data Source: User		

STS Adult Cardiac Database		Versio	n: 2.73
Long Name: Lowest Hematocrit		SeqNo:	2790
Short Name: LwstHct		Core:	Yes
Section Name: Operative		Harvest:	Yes
DBTableName AdultData			
Definition: Enter the lowest hematocrit recorded d	luring procedure.		
LowValue: 1.0 UsualRangeLow:	ACCField: Not mapped		
HighValue: 50.0 UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CPB Utilization	Format: Real		
ParentShortName: CPBUtil	DataLength:		
<i>ParentValue:</i> = "Combination" or "Full"	Data Source: User		

Long Name: Cannulation Method - Aorta and Femoral/Jug	gular Vein SeqNo: 2800
Short Name: CanAortFem	Core: No
Section Name: Operative	Harvest: No
DBTableName AdultData	
<i>Definition:</i> Indicate whether the method of cannulation include cardiopulmonary bypass.	luded Aorta and Femoral/Jugular Vein for
LowValue: UsualRangeLow: ACCFi	eld: Not mapped
HighValue: UsualRangeHigh: Report.	Field: No NQFField: No
Modell	Field: No PQRIField: No
Parent Long Name: CPB Utilization Format	t: Text (categorical values specified by STS)
ParentShortName: CPBUtil DataLe	ength:
ParentValue: = "Combination" or "Full" Data Set	ource: User
Harvest Codes:	
Code: Value:	
1 Yes	
2 No	

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: Cannulation Method - Femoral Art	ery and Femoral	/Jugula	ır Vein		SeqNo:	2810
Short Name: CanFemFem					Core:	No
Section Name: Operative					Harvest:	No
DBTableName AdultData						
<i>Definition:</i> Indicate whether the method of cannucardiopulmonary bypass.	ilation included	Femora	ll Artery and F	emor	al/Jugular Ve	in for
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: CPB Utilization	Format:		(categorical va fied by STS)	lues		
ParentShortName: CPBUtil	DataLength:					
<i>ParentValue:</i> = "Combination" or "Full"	Data Source.	User				
Harvest Codes:						
<u>Code:</u> <u>Value:</u>						
1 Yes						
2 No						
<i>Long Name:</i> Cannulation Method - Aorta and A	trial/Caval				SeqNo:	2820
Short Name: CanAortAtr	ariai/Cavai				Core:	2820 No
Section Name: Operative					Harvest:	No
DBTableName AdultData					1100 0000	110
<i>Definition:</i> Indicate whether the method of cannu	lation included	Aorta a	nd Atrial/Cava	al for	cardiopulmo	narv
bypass.						
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: CPB Utilization	Format:		(categorical va fied by STS)	lues		
ParentShortName: CPBUtil	DataLength:					
<i>ParentValue:</i> = "Combination" or "Full"	Data Source.	User				
Harvest Codes:						
<u>Code:</u> <u>Value:</u>						
1 Yes						
2 No						

STS Adult Cardiac Database				Versi	on: 2.73
Long Name: Cannulation Method - Femoral Art	ery and Atrial/C	aval		SeqNo:	2830
Short Name: CanFemAtr				Core:	No
Section Name: Operative				Harvest:	No
DBTableName AdultData					
<i>Definition:</i> Indicate whether the method of cannucardiopulmonary bypass.	ilation included	Femora	l Artery and Atr	ial/Caval for	
LowValue: UsualRangeLow:	ACCField:	Not m	apped		
HighValue: UsualRangeHigh:	ReportField:	No	NQFField: N	No	
	ModelField:	No	PQRIField: N	No	
Parent Long Name: CPB Utilization	Format:		(categorical valu fied by STS)	es	
ParentShortName: CPBUtil	DataLength:				
<i>ParentValue:</i> = "Combination" or "Full"	Data Source:	User			
Harvest Codes:					
Code: Value:					
1 Yes					
2 No					
Long Name: Cannulation Method - Other				SeqNo:	2840
Short Name: CanOther				Core:	No
Section Name: Operative				Harvest:	No
DBTableName AdultData	1	.1	4 10		
<i>Definition:</i> Indicate whether the method of cannu		-		rdiopulmonary l	oypass.
LowValue: UsualRangeLow:	ACCField:	Not m			
HighValue: UsualRangeHigh:	ReportField:		NQFField: N		
	ModelField:	No	PQRIField: N	No	
Parent Long Name: CPB Utilization	Format:		(categorical valu fied by STS)	es	
ParentShortName: CPBUtil	DataLength:				
<i>ParentValue:</i> = "Combination" or "Full"	Data Source:	User			
Harvest Codes:					
Code: Value:					
1 Yes					

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Cannulation - Arterial Cannulation	Site - Aortic		SeqNo:	285
Short Name: CanArtStAort			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether the arterial cannulat	ion site included	the aorta.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CPB Utilization	Format:	Text (categorical values specified by STS)		
ParentShortName: CPBUtil	DataLength:			
<i>ParentValue:</i> = "Combination" or "Full"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Cannulation - Arterial Cannulation	Site - Femoral		SeqNo:	2852
Short Name: CanArtStFem			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
<i>Definition:</i> Indicate whether the arterial cannulat	ion site included	a femoral artery.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CPB Utilization	Format:	Text (categorical values specified by STS)		
ParentShortName: CPBUtil	DataLength:			
ParentValue: = "Combination" or "Full"	Data Source:	User		
Harvest Codes:				
Code: Value:				
<u>Code:</u> <u>Value:</u> 1 Yes				

STS Adult Cardiac Database	<b>G</b> <sup>1</sup> . <b>A</b> 111			n: 2.73
Long Name: Cannulation - Arterial Cannulation	Site - Axillary		SeqNo:	2853
Short Name: CanArtStAx			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the arterial cannulat	ion site included	an axillary artery.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CPB Utilization	Format:	Text (categorical values specified by STS)		
ParentShortName: CPBUtil	DataLength:			
<i>ParentValue:</i> = "Combination" or "Full"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Cannulation - Arterial Cannulation	Site - Other		SeqNo:	2854
Short Name: CanArtStOth			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the arterial cannulat	ion site included	any other artery.		
-	ion site included ACCField:	any other artery. Not mapped		
LowValue: UsualRangeLow:				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField: ReportField:	Not mapped NQFField:		
LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CPB Utilization	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values		
LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CPB Utilization	ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
LowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CPB UtilizationParentShortName:CPBUtil	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
LowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CPB UtilizationParentShortName:CPBUtilParentValue:= "Combination" or "Full"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
LowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CPB UtilizationParentShortName:CPBUtilParentValue:= "Combination" or "Full"Harvest Codes:	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Cannulation - Venous Cannulation	Site - Femoral		SeqNo:	285
Short Name: CanVenStFem			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether the venous (inflow)	cannulation site	included a femoral vein.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CPB Utilization	Format:	Text (categorical values specified by STS)		
ParentShortName: CPBUtil	DataLength:			
<i>ParentValue:</i> = "Combination" or "Full"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> Value:				
1 Yes				
2 No				
Long Name: Cannulation - Venous Cannulation	Site - Jugular		SeqNo:	2857
Short Name: CanVenStJug	C		Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the venous (inflow)	cannulation site	included a jugular vein.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CPB Utilization	Format:	Text (categorical values specified by STS)		
ParentShortName: CPBUtil	DataLength:			
<i>ParentValue:</i> = "Combination" or "Full"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

STS Adult Cardiac Database			Versic	n: 2.73
Long Name: Cannulation - Venous Cannulation	Site - Right Atri	ial	SeqNo:	2858
Short Name: CanVenStRtA			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether the venous (inflow)	cannulation site	included the right atrium.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CPB Utilization	Format:	Text (categorical values specified by STS)		
ParentShortName: CPBUtil	DataLength:			
<i>ParentValue:</i> = "Combination" or "Full"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> Value:				
1 Yes				
2 No				
Long Name: Cannulation - Venous Cannulation	Site - Left Atria	1	SeqNo:	2859
Short Name: CanVenStLfA			Core:	Ye
Section Name: Operative			Harvest:	Ye
DBTableName AdultData				
<i>Definition:</i> Indicate whether the venous (inflow)	cannulation site	included the left atrium.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
HighValue: UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
	-			
Parent Long Name: CPB Utilization	ModelField:	<i>PQRIField:</i> Text (categorical values		
Parent Long Name: CPB Utilization	ModelField: Format:	<i>PQRIField:</i> Text (categorical values specified by STS)		
Parent Long Name: CPB Utilization ParentShortName: CPBUtil	ModelField: Format: DataLength:	<i>PQRIField:</i> Text (categorical values specified by STS)		
Parent Long Name:       CPB Utilization         ParentShortName:       CPBUtil         ParentValue:       = "Combination" or "Full"	ModelField: Format: DataLength:	<i>PQRIField:</i> Text (categorical values specified by STS)		
Parent Long Name: CPB Utilization ParentShortName: CPBUtil ParentValue: = "Combination" or "Full" Harvest Codes:	ModelField: Format: DataLength:	<i>PQRIField:</i> Text (categorical values specified by STS)		

STS Adult Cardiac Database		Version: 2.73
Long Name: Cannulation - Venous Cannulation	ion Site - Pulmonary Vein	<i>SeqNo:</i> 2861
Short Name: CanVenStPulm		Core: Yes
Section Name: Operative		Harvest: Yes
DBTableName AdultData		
Definition: Indicate whether the venous (inflo	w) cannulation site included a p	oulmonary vein.
LowValue: UsualRangeLow:	ACCField: Not mapped	d
HighValue: UsualRangeHigh:	ReportField: NQ	)FField:
	ModelField: PQ	RIField:
Parent Long Name: CPB Utilization	Format: Text (cates specified b	gorical values by STS)
ParentShortName: CPBUtil	DataLength:	
<i>ParentValue:</i> = "Combination" or "Full"	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		
Long Name: Cannulation - Venous Cannulati	ion Site - Caval/Bicaval	SeqNo: 2862
Short Name: CanVenStBi		Core: Yes
~ · · · ·		
Section Name: Operative		Harvest: Yes
Section Name: Operative DBTableName AdultData		Harvest: Yes
-	w) cannulation site included the	
DBTableName AdultData Definition: Indicate whether the venous (inflo	w) cannulation site included the ACCField: Not mapped	e superior and/or inferior vena
DBTableName AdultData Definition: Indicate whether the venous (inflo cava.	ACCField: Not mapped	e superior and/or inferior vena
DBTableName       AdultData         Definition:       Indicate whether the venous (inflocava.         LowValue:       UsualRangeLow:	ACCField: Not mapped ReportField: NQ	e superior and/or inferior vena d
DBTableName       AdultData         Definition:       Indicate whether the venous (inflocava.         LowValue:       UsualRangeLow:	ACCField: Not mapped ReportField: NQ ModelField: PQ	e superior and/or inferior vena d <i>PFField:</i> <i>PRIField:</i> gorical values
DBTableName       AdultData         Definition:       Indicate whether the venous (inflocava.         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:	ACCField: Not mapped ReportField: NQ ModelField: PQ Format: Text (cates	e superior and/or inferior vena d <i>PFField:</i> <i>PRIField:</i> gorical values
DBTableName       AdultData         Definition:       Indicate whether the venous (inflocava.         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       CPB Utilization	ACCField: Not mapped ReportField: NQ ModelField: PQ Format: Text (categ specified b	e superior and/or inferior vena d <i>PFField:</i> <i>PRIField:</i> gorical values
DBTableName       AdultData         Definition:       Indicate whether the venous (inflocate whether the venous	ACCField:Not mappedReportField:NQModelField:PQFormat:Text (categespecified beDataLength:Format:	e superior and/or inferior vena d <i>PFField:</i> <i>PRIField:</i> gorical values
DBTableName       AdultData         Definition:       Indicate whether the venous (inflocava.         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       CPB Utilization         ParentShortName:       CPBUtil         ParentValue:       = "Combination" or "Full"	ACCField:Not mappedReportField:NQModelField:PQFormat:Text (categespecified beDataLength:Format:	e superior and/or inferior vena d <i>PFField:</i> <i>PRIField:</i> gorical values
DBTableName       AdultData         Definition:       Indicate whether the venous (inflocate whether the venous	ACCField:Not mappedReportField:NQModelField:PQFormat:Text (categespecified beDataLength:Format:	e superior and/or inferior vena d <i>PFField:</i> <i>PRIField:</i> gorical values

STS Adult Cardiac Datab	base			Versio	on: 2.73
Long Name: Cannula	tion - Venous Cannulation	Site - Other		SeqNo:	2863
Short Name: CanVen	StOth			Core:	Yes
Section Name: Operativ	ve			Harvest:	Yes
DBTableName AdultDa	ata				
Definition: Indicate w	hether the venous (inflow)	cannulation site	included any other site.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: CF	PB Utilization	Format:	Text (categorical values specified by STS)		
ParentShortName: CP	BUtil	DataLength:			
<i>ParentValue:</i> = "	Combination" or "Full"	Data Source.	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				
Long Name: Circulate	ory Arrest			SeqNo:	2865
Short Name: CircArr	-			Core:	Yes
Section Name: Operativ	ve			Harvest:	Yes
DBTableName AdultDa	ata				
Definition: Indicate w	hether or not circulatory ar	rest was utilized	during the procedure.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No		
		ModelField:	No PQRIField: No		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source.	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: Circulatory Arrest Time	Without Cerebral Perfusion	SeqNo:	2866
Short Name: DHCATm		Core:	Yes
Section Name: Operative		Harvest:	Yes
DBTableName AdultData			
perfusion. If more than one	minutes of deep hypothermic circulatory arrest w period of circulatory arrest is required during this equal to the total duration of circulatory arrest.		lure,
LowValue: 0 UsualRangeLow:	ACCField: Not mapped		
HighValue: 300 UsualRangeHigh	: ReportField: Yes NQFField: N	Jo	
	ModelField: No PQRIField: N	10	
Parent Long Name: Circulatory Arrest	Format: Integer		
ParentShortName: CircArr	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Section Name: Operative DBTableName AdultData		Harvest:	Yes
Definition: Indicate whether circulatory	arrest with cerebral perfusion was performed.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh	: ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Circulatory Arrest	<i>Format:</i> Text (categorical valu specified by STS)	es	
ParentShortName: CircArr	DataLength:		
	Data Source: User		
<i>ParentValue:</i> = "Yes"			
ParentValue: = "Yes" Harvest Codes:			
Harvest Codes:			

	atabase			Versio	n: 2.73
Long Name: Cere	ebral Perfusion Time			SeqNo:	286
Short Name: CPe	rfTime			Core:	Ye
Section Name: Open	rative			Harvest:	Ye
DBTableName Adu	ıltData				
	e the total number of minutes ade and/or retrograde cerebral	-	-	uld include	
LowValue: 1	UsualRangeLow:	ACCField:	Not mapped		
HighValue: 999	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Circulatory Arrest With Cerebral Perfusion	Format:	Integer		
ParentShortName:	CPerfUtil	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Section Name: Open	<b>rfTyp</b> rative			Core: Harvest:	Ye Ye
DBTableName Adu	ıltData				
DBTableName Adu Definition: Indicat	ıltData e type of cerebral perfusion u	tilized.			
	e type of cerebral perfusion u	tilized. ACCField:	Not mapped		
<i>Definition:</i> Indicat <i>LowValue:</i>			Not mapped NQFField:		
<i>Definition:</i> Indicat <i>LowValue:</i>	e type of cerebral perfusion u UsualRangeLow:	ACCField:			
<i>Definition:</i> Indicat <i>LowValue:</i> <i>HighValue:</i>	e type of cerebral perfusion u UsualRangeLow:	ACCField: ReportField:	NQFField:		
Definition: Indicat LowValue: HighValue: Parent Long Name:	e type of cerebral perfusion u UsualRangeLow: UsualRangeHigh: Circulatory Arrest With Cerebral Perfusion	ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values		
Definition: Indicat LowValue: HighValue: Parent Long Name:	e type of cerebral perfusion u UsualRangeLow: UsualRangeHigh: Circulatory Arrest With Cerebral Perfusion	ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)		
Definition: Indicat LowValue: HighValue: Parent Long Name: ParentShortName:	e type of cerebral perfusion u <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> Circulatory Arrest With Cerebral Perfusion CPerfUtil = "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
Definition: Indicat LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code	e type of cerebral perfusion u <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> Circulatory Arrest With Cerebral Perfusion CPerfUtil = "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
Definition: Indicat LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code <u>Cod</u>	e type of cerebral perfusion u UsualRangeLow: UsualRangeHigh: Circulatory Arrest With Cerebral Perfusion CPerfUtil = "Yes" s:	ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
Definition: Indicat LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code <u>Cod</u>	e type of cerebral perfusion u UsualRangeLow: UsualRangeHigh: Circulatory Arrest With Cerebral Perfusion CPerfUtil = "Yes" s: le: Value:	ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Aortic Occlusion			SeqNo:	2870
Short Name: AortOccl			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the technique of aortic occlus	ion used.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: N	lo	
	ModelField:	No PQRIField: N	lo	
Parent Long Name:	Format:	Text (categorical valu specified by STS)	es	
ParentShortName:	DataLength:			
ParentValue:	Data Source.	: User		
Harvest Codes:				
Code: Value:				
5 None - beating heart				
6 None - fibrillating heart				
2 Aortic Crossclamp				
3 Balloon Occlusion				
Long Name: Cross Clamp Time (min)			SeqNo:	2880
Short Name: XClampTm			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate the total number of minutes the systemic circulation, either by an aorti				m
LowValue: 0 UsualRangeLow: 0	ACCField:	Not mapped		
HighValue: 600 UsualRangeHigh: 180	ReportField:	Yes NQFField: N	lo	
	ModelField:	No PQRIField: N	lo	
Parent Long Name: Aortic Occlusion	Format:	Integer		
ParentShortName: AortOccl	DataLength:			
ParentValue: = "Aortic Crossclamp" or "Balloon Occlusion"	Data Source.	: User		

STS Adult Cardiac Data	abase			Versio	n: 2.73
Long Name: Cardio	plegia			SeqNo:	2890
Short Name: Cplegi	a			Core:	No
Section Name: Operation	ive			Harvest:	No
DBTableName AdultI	Data				
Definition: Indicate v	whether cardioplegia was us	sed.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No		
		ModelField:	No PQRIField: No		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
	Value:				
1	Yes				
2	No				
Long Name: Cardio	plegia Delivery			SeqNo:	2900
	aDeliv			Core:	Yes
Section Name: Operation	ive			Harvest:	Yes
DBTableName AdultI	Data				
Definition: Indicate t	he delivery method of card	ioplegia if used.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:		Format:	Text (categorical values specified by STS)		
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	None				
2	Antegrade				
3	Retrograde				
4	Both				

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Cardioplegia Type			SeqNo:	2901
Short Name: CplegiaType			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate the type of ca	rdioplegia used.			
LowValue: UsualRange	eLow: ACCField	: Not mapped		
HighValue: UsualRang	eHigh: ReportFie	eld: NQFField:		
	ModelFie	ld: PQRIField:		
Parent Long Name: Cardioplegia	Delivery Format:	Text (categorical values specified by STS)		
ParentShortName: CplegiaDeliv	DataLeng	th:		
ParentValue: = "Antegrade" or "Both"	, "Retrograde" Data Sour	rce: User		
Harvest Codes:				
Code: Value:				
1 Blood				
2 Crystalloid				
3 Both				
4 Other				
Long Name: Cerebral Oximetry	Used		SeqNo:	2930
Short Name: CerOxUsed			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether cerel	oral oximetry was used.			
LowValue: UsualRang	eLow: ACCField	l: Not mapped		
HighValue: UsualRang	eHigh: ReportFie	eld: NQFField:		
	ModelFie	ld: PQRIField:		
Parent Long Name:	Format:	Text (categorical values specified by STS)		
ParentShortName:	DataLeng	th:		
ParentValue:	Data Sour	rce: User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

STS Adult C							sion: 2.73
Long Name		Induction Baseline Regional	Oxygen Saturation	n - Len	I	SeqNo:	2940
Short Name		RSO2Lft				Core:	
Section Nar	-					Harvest:	Optiona
DBTableNa							
Definition:	of the supple	te the percent baseline left cer operation, when the patient is mental oxygen at the time me rebral oximeter will automatic	awake and functi asurement is take	onal. 1 n. In tl	Patient can be sed ne absence of a us	lated or on ser-specified b	aseline,
LowValue:	1	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	99	UsualRangeHigh:	ReportField:	No	NQFField: N	lo	
			ModelField:	No	PQRIField: N	lo	
Parent Lon	g Name:	Cerebral Oximetry Used	Format:	Integ	er		
ParentShor	tName:	CerOxUsed	DataLength:				
ParentValu	ie:	= "Yes"	Data Source:	User			
Long Name Short Name Section Nar	e: Pre	Induction Baseline Regional ( RSO2Rt rative		8		SeqNo: Core: Harvest:	2950 Ye Optiona
DBTableNa	ime Ad	ultData					
Definition:	begin: supple	te the percent baseline right co ning of the operation, when the mental oxygen at the time me rebral oximeter will automatic	e patient is awake asurement is take	and fund fund fund fund fund fund fund fu	nctional. Patient	can be sedate ser-specified b	aseline,
LowValue:	1	UsualRangeLow:	ACCField:	Not m	apped		
	99	UsualRangeHigh:	ReportField:	No	NQFField: N	lo	
HighValue:			ModelField:	No	PQRIField: N	lo	
HighValue:	g Name:	Cerebral Oximetry Used	Format:	Integ	er		
HighValue: Parent Lon		Cerebral Oximetry Used CerOxUsed		Integ	er		

Long Name.	· Cum	ulative Saturation Below Th	reshold. Left			SeqNo:	sion: 2.73 2960
Long Name. Short Name		ulSatLft	leshold - Lett			Core:	
Short Name Section Nan						Harvest:	Optiona
DBTableNa						1101 1051.	Optiona
Definition:	75% of Calcula rSO2 v	e the cumulative integral of the baseline rSO2 value (related by the cerebral oximeter alues times the duration that nout the operation. Units are	ative decline of 2: by multiplying th rSO2 is below the	5% bel e diffe e thresl	ow baseline) for rence between hold. Values an	or the left rSO2. the threshold and re accumulated	d current
LowValue:	0	UsualRangeLow:	ACCField:	Not n	napped		
HighValue:	9999	UsualRangeHigh:	ReportField:	No	NQFField:	No	
			ModelField:	No	PQRIField:	No	
Parent Long	g Name:	Cerebral Oximetry Used	Format:	Integ	ger		
ParentShort	tName:	CerOxUsed	DataLength:				
ParentValu	e:	= "Yes"	Data Source:	User			
		ulative Saturation Below Th	U			SeqNo: Core.	· Ye
Short Name		<b>ulSatRt</b> ative				Harvest:	Optiona
Long Name. Short Name Section Nan DBTableNa	ne: Oper	ative				Harvest:	Optiona
Short Name Section Nan DBTableNa	ne: Oper me Adu Indicate 75% of Calcula rSO2 v	ative	ative decline of 2: by multiplying th rSO2 is below the	5% bel e diffe thresl	ow baseline) for rence between hold. Values an	elow the threshol or the right rSO2 the threshold an re accumulated	ld of d current
Short Name Section Nan DBTableNa	ne: Oper me Adu Indicate 75% of Calcula rSO2 v through	ative ltData e the cumulative integral of t the baseline rSO2 value (rel tted by the cerebral oximeter alues times the duration that	ative decline of 2: by multiplying th rSO2 is below the	5% bel e diffe e thresl is also	ow baseline) for rence between hold. Values an	elow the threshol or the right rSO2 the threshold an re accumulated	ld of d current
Short Name Section Nan DBTableNa Definition: LowValue:	ne: Oper me Adu Indicato 75% of Calcula rSO2 v through 0	ative ltData e the cumulative integral of the the baseline rSO2 value (rel the by the cerebral oximeter alues times the duration that nout the operation. Units are	ative decline of 2: by multiplying th rSO2 is below the minute-%. This is	5% bel e diffe e thresl is also Not n	ow baseline) for rence between hold. Values an called area und	elow the threshol or the right rSO2 the threshold an re accumulated ler the curve (AU	ld of d current
Short Name Section Nan DBTableNa Definition: LowValue:	ne: Oper me Adu Indicato 75% of Calcula rSO2 v through 0	ative ltData e the cumulative integral of the the baseline rSO2 value (rel ted by the cerebral oximeter alues times the duration that nout the operation. Units are UsualRangeLow:	ative decline of 2: by multiplying the rSO2 is below the minute-%. This ACCField:	5% bel e diffe e thresl is also Not n No	ow baseline) for rence between nold. Values an called area und napped	elow the threshol or the right rSO2 the threshold an re accumulated ler the curve (AU No	ld of d current
Short Name Section Nan DBTableNa Definition: LowValue: HighValue:	ne: Oper me Adu Indicatu 75% of Calcula rSO2 v through 0 9999	ative ltData e the cumulative integral of the the baseline rSO2 value (rel ted by the cerebral oximeter alues times the duration that nout the operation. Units are UsualRangeLow:	ative decline of 2: by multiplying the rSO2 is below the minute-%. This ACCField: ReportField:	5% bel e diffe e thresl is also Not n No	ow baseline) for rence between nold. Values an called area und napped <i>NQFField:</i> <i>PQRIField:</i>	elow the threshol or the right rSO2 the threshold an re accumulated ler the curve (AU No	ld of d current
Short Name Section Nan DBTableNa Definition: LowValue: HighValue: Parent Long	ne: Oper me Adu Indicatu 75% of Calcula rSO2 v through 0 9999 g Name:	ative ltData e the cumulative integral of the f the baseline rSO2 value (rel ted by the cerebral oximeter alues times the duration that nout the operation. Units are UsualRangeLow: UsualRangeHigh:	ative decline of 2: by multiplying the rSO2 is below the minute-%. This ACCField: ReportField: ModelField:	5% bel e diffe e thresh is also Not n No No	ow baseline) for rence between nold. Values an called area und napped <i>NQFField:</i> <i>PQRIField:</i>	elow the threshol or the right rSO2 the threshold an re accumulated ler the curve (AU No	ld of d current

STS Adult Cardiac Database					Ver	sion: 2.73
Long Name: Cerebral Oximeter Provided The	First Indication				SeqNo:	2980
Short Name: COFirstInd					Core:	Yes
Section Name: Operative					Harvest:	Optional
DBTableName AdultData						
<i>Definition:</i> Indicate whether the cerebral oxime physiological change in the patient t	-				1	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Cerebral Oximetry Used	Format:		(categorical va fied by STS)	alues		
ParentShortName: CerOxUsed	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
<u>Code:</u> <u>Value:</u>						
1 Yes						
2 No						
Long Name: Skin Closure Regional Oxygen Sa	aturation - Left				SeqNo:	2990
Short Name: SCRSO2Lft					Core:	Yes
Section Name: Operative					Harvest:	Optional
DBTableName AdultData						
<i>Definition:</i> Indicate the left cerebral regional ox closure at the end of the operation.		f blood	(rSO2) value	at the	time of ski	n
LowValue: 1 UsualRangeLow:	ACCField:	Not m	apped			
HighValue: 99 UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Cerebral Oximetry Used	Format:	Integ	er			
Parent Long Name: Cerebral Oximetry Used ParentShortName: CerOxUsed	Format: DataLength:	Integ	er			

Long Name: Sk	in Closure Regional Oxygen S	aturation - Right		SeqNo:	3000
-	CRSO2Rt			Core:	
Section Name: Or				Harvest:	Optiona
DBTableName A					I
Definition: Indic	eate the right cerebral regional or at the end of the operation.		of blood (rSO2) valu	e at the time of sl	cin
LowValue: 1	UsualRangeLow:	ACCField:	Not mapped		
HighValue: 99	UsualRangeHigh:	ReportField:	No NQFField:	No	
		ModelField:	No PQRIField:	No	
Parent Long Nam	e: Cerebral Oximetry Used	Format:	Integer		
ParentShortName	: CerOxUsed	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Section Name: Op DBTableName A	dultData	otion of the corte u	up discoursed support	Core: Harvest:	Ye: Ye:
	ate whether concentric calcific peratively using imaging or pa		vas discovered preop	eratively or	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Nam	2:	Format:	Text (categorical va specified by STS)	alues	
Parent Long Name ParentShortName		Format: DataLength:		alues	
-			specified by STS)	llues	
ParentShortName	·	DataLength:	specified by STS)	ılues	
ParentShortName ParentValue: Harvest Co	·	DataLength:	specified by STS)	lues	
ParentShortName ParentValue: Harvest Co	: des:	DataLength:	specified by STS)	lues	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Echo Assessment of Ascending Ac	orta/Arch		SeqNo:	3010
Short Name: AsmtAscAA			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether the Ascending Aorta ultrasound.	a/Arch was evalu	uated during surgery using	TEE or epiao	rtic
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Name:	Format:	Text (categorical values specified by STS)		
ParentShortName:	DataLength:	T to the S to the S		
ParentValue:	Data Source:	User		
Harvest Codes:				
Code: Value:				
$\frac{1}{1}$ Yes				
2 No				
Long Name: Assessment of Aorta Disease			SeqNo:	3020
Short Name: AsmtAoDx			Core:	Yes
Section Name: Operative			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate highest grade of disease in the	ne ascending aor	ta indicated on epiaortic ul	trasound or T	EE.
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Echo Assessment of Ascending Aorta/Arch	Format:	Text (categorical values specified by STS)		
ParentShortName: AsmtAscAA	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Normal Aorta				
2 Extensive intimal thickening	ıg			
3 Protruding Atheroma < 5 n	nm			
4 Protruding Atheroma >= 5 mm				
5 Mobile plaques				

6 Not documented

Long Name: Asse	essment Altered Plan			SeqNo:	3030
Short Name: Asn	ntAPIn			Core:	Yes
Section Name: Ope	rative			Harvest:	Yes
DBTableName Adu	ıltData				
Definition: Indicat	te whether echographic aorti	c assessment chang	ged cannulation strates	gy or surgical plan	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Echo Assessment of Ascending Aorta/Arch	Format:	Text (categorical va specified by STS)	lues	
ParentShortName:	AsmtAscAA	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	25:				
Cod	le: Value:				
	1 Yes				
	2 No				
Long Name: Intra	aop Blood Products			SeqNo:	3040
Short Name: IBld	lProd			Core:	Yes
Section Name: Oper	rative			Harvest:	Yes
DBTableName Adu	ıltData				
-	te whether blood products we y. Intraoperatively is defined	•		during the initial	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField:	No	
		ModelField:	No PQRIField:	No	
Parent Long Name:		Format:	Text (categorical va specified by STS)	lues	
ParentShortName:		DataLength:			
		Data Source:	User		
ParentValue:					
ParentValue: Harvest Code	es:				
Harvest Code	es: le: <u>Value:</u>				
Harvest Code <u>Cod</u>					

STS Adult Cardiac Database	Version	
Long Name: Intraop Blood Products Refused	SeqNo:	3050 V
Short Name: IBldProdRef Section Name: Operative	Core: Harvest:	Yes Yes
DBTableName AdultData	11 <i>ui vest.</i>	10
<i>Definition:</i> Indicate whether the patient or famil	v refused blood products	
_		
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: No NQFField: No	
Parent Long Name: Intraop Blood Products	ModelField:NoPQRIField:NoFormat:Text (categorical values specified by STS)	
ParentShortName: IBldProd	DataLength:	
<i>ParentValue:</i> = "No"	Data Source: User	
Harvest Codes:		
Harvest Codes: Code: Value:		
Harvest Codes: <u>Code:</u> <u>Value:</u> 1 Yes		
Code: Value:		
<u>Code:</u> <u>Value:</u> 1 Yes 2 No	its SeaNo:	3060
Code:       Value:         1       Yes         2       No	*	3060 Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Units Short Name: IBdRBCU	its SeqNo: Core: Harvest:	3060 Yes Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Units Short Name: IBdRBCU Section Name: Operative	Core:	Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Ur Short Name: IBdRBCU Section Name: Operative DBTableName AdultData	Core:	Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Units Short Name: IBdRBCU Section Name: Operative DBTableName AdultData Definition: Indicate the number of units of pack	Core: Harvest:	Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Units Short Name: IBdRBCU Section Name: Operative DBTableName AdultData Definition: Indicate the number of units of pack	Core: Harvest: ed red blood cells that were transfused intraoperatively.	Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Units Short Name: IBdRBCU Section Name: Operative DBTableName AdultData Definition: Indicate the number of units of pack Do not include autologous, cell-save	<i>Core:</i> <i>Harvest:</i> ed red blood cells that were transfused intraoperatively. er, pump-residual or chest tube recirculated blood.	Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Urst Short Name: IBdRBCU Section Name: Operative DBTableName AdultData Definition: Indicate the number of units of pack Do not include autologous, cell-save LowValue: 0 UsualRangeLow: 0	Core: Harvest: ed red blood cells that were transfused intraoperatively. er, pump-residual or chest tube recirculated blood. ACCField: Not mapped	Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Urst Short Name: IBdRBCU Section Name: Operative DBTableName AdultData Definition: Indicate the number of units of pack Do not include autologous, cell-save LowValue: 0 UsualRangeLow: 0	Core: Harvest: ed red blood cells that were transfused intraoperatively. er, pump-residual or chest tube recirculated blood. ACCField: Not mapped ReportField: Yes NQFField: No	Yes
Code:       Value:         1       Yes         2       No    Long Name: Intraop Blood Products - RBC Uris Short Name: IBdRBCU Section Name: Operative DBTableName AdultData Definition: Indicate the number of units of pack Do not include autologous, cell-save LowValue: 0 UsualRangeLow: 0 HighValue: 99 UsualRangeHigh: 10	Core: Harvest: ed red blood cells that were transfused intraoperatively. er, pump-residual or chest tube recirculated blood. ACCField: Not mapped ReportField: Yes NQFField: No ModelField: No PQRIField: No	Yes

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: Intraop Blood Products - FFP Units					SeqNo:	3070
Short Name: IBdFFPU					Core:	Yes
Section Name: Operative					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the number of units of fresh fr	rozen plasma th	nat were	transfused in	traope	eratively.	
LowValue: 0 UsualRangeLow: 0	ACCField:	Not ma	apped			
HighValue: 99 UsualRangeHigh: 10	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Intraop Blood Products	Format:	Intege	er			
ParentShortName: IBldProd	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Long Name: Intraop Blood Products - Cryo Units	5				SeqNo:	3080
Short Name: IBdCryoU					Core:	Yes
Section Name: Operative					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the number of units of cryopre	ecipitate that w	ere trans	sfused intraop	erativ	vely.	
One bag of cryo = one unit. The number of units is not volume dep	bendent.					
LowValue: 0 UsualRangeLow:	ACCField:	Not ma	apped			
HighValue: 99 UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Darout Long Names Introop Plood Products	<b>F</b>	Intege	r			
Parent Long Name: Intraop Blood Products	Format:	mege	1			
ParentShortName: IBldProd	Format: DataLength:	U				

STS Adult Cardiac Database	Version: 2.7
Long Name: Intraop Blood Products - Platelet	Units SeqNo: 30
Short Name: IBdPlatU	Core: Y
Section Name: Operative	Harvest: Y
DBTableName AdultData	
Definition: Indicate the number of units of plate	elets that were transfused intraoperatively.
Count the dose pack as one unit. A platelets obtained. The number of u	dose pack may consist of 4, 6, 8, 10, or any number of donor inits coded is not volume dependent.
LowValue: 0 UsualRangeLow:	ACCField: Not mapped
HighValue: 99 UsualRangeHigh:	ReportField: Yes NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: Intraop Blood Products	Format: Integer
ParentShortName: IBldProd	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Long Name: Intraop Blood Products - Factor V Short Name: IBdFactorVII	/IIa SeqNo: 30 Core: Y
	*
Short Name: IBdFactorVII	Core: Y
Short Name: IBdFactorVII Section Name: Operative DBTableName AdultData	Core: Y
Short Name: <b>IBdFactorVII</b> Section Name: Operative DBTableName AdultData Definition: Indicate the amount of Factor VIIa t	Core: Y Harvest: Y
Short Name: IBdFactorVII Section Name: Operative DBTableName AdultData Definition: Indicate the amount of Factor VIIa t micrograms per kilogram.	Core: Y Harvest: Y hat was given intraoperatively. Units are measured in
Short Name:IBdFactorVIISection Name:OperativeDBTableNameAdultDataDefinition:Indicate the amount of Factor VIIa t micrograms per kilogram.LowValue:0UsualRangeLow:	Core: Y Harvest: Y hat was given intraoperatively. Units are measured in ACCField: Not mapped
Short Name:IBdFactorVIISection Name:OperativeDBTableNameAdultDataDefinition:Indicate the amount of Factor VIIa t micrograms per kilogram.LowValue:0UsualRangeLow:	Core: Y Harvest: Y hat was given intraoperatively. Units are measured in ACCField: Not mapped ReportField: NQFField:
Short Name:       IBdFactorVII         Section Name:       Operative         DBTableName       AdultData         Definition:       Indicate the amount of Factor VIIa t micrograms per kilogram.         LowValue:       0       UsualRangeLow:         HighValue:       1000       UsualRangeHigh:	Core: Y Core: Y Harvest: Y that was given intraoperatively. Units are measured in ACCField: Not mapped ReportField: NQFField: ModelField: PQRIField:

STS Adult Cardiac Database						Versi	on: 2.73
Long Name: Intraop Medica	ations - Aprotinin					SeqNo:	3100
Short Name: IMedAprot						Core:	No
Section Name: Operative						Harvest:	No
DBTableName AdultData							
Definition: Indicate whether	the patient received	l Aprotinin in the	operati	ng room.			
LowValue: Usuall	RangeLow:	ACCField:	Not m	apped			
HighValue: Usuall	RangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
<u>Code:</u> Value:							
<u>1</u> Yes							
2 No							
	tions - Aprotinin -	Dose				SeqNo:	3110
Short Name: IMedAprotD						Core:	No
Section Name: Operative						Harvest:	No
DBTableName AdultData							
<i>Definition:</i> Indicate the dosa			ed in th	ie operating ro	om.		
LowValue: Usuall	RangeLow:	ACCField:	Not m	apped			
HighValue: Usuall	RangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name: Intraop M Aprotinin		Format:		(categorical va fied by STS)	lues		
ParentShortName: IMedApro	ot	DataLength:					
<i>ParentValue:</i> = "Yes"		Data Source:	User				
Harvest Codes:							
Code: Value:							
1 Full do	se						
	~-						

STS Adult Cardiac Dat	abase					Versio	on: 2.73
Long Name: Intraop	Antifibrinolytic Medications	s - Epsilon Ami	ino-Cap	oroic Acid		SeqNo:	3120
Short Name: IMedE	EACA					Core:	Yes
Section Name: Operat	ive					Harvest:	Yes
DBTableName Adult	Data						
Definition: Indicate	whether the patient received E	Epsilon Amino-	Caproi	c Acid in the o	perat	ing room.	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Harvest Codes:							
Code:	Value:						
1	Yes						
2	No						
Long Name: Intraop	Medications - Desmopressin	L				SeqNo:	3130
Short Name: IMedI	Desmo					Core:	No
Section Name: Operat	ive					Harvest:	No
DBTableName Adult	Data						
Definition: Indicate	whether the patient received I	Desmopressin i	n the op	erating room.			
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source.	User				
Harvest Codes:							
Code:	Value:						
1	Yes						
2	No						

STS Adult Cardiac Data	abase					Versic	on: 2.73
Long Name: Intraop	Antifibrinolytic Medication	ns - Tranexamic	Acid			SeqNo:	3140
Short Name: IMedT	ran					Core:	Yes
Section Name: Operati	ive					Harvest:	Yes
DBTableName AdultI	Data						
Definition: Indicate v	whether the patient received	Tranexamic Act	id in the	operating roo	om.		
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source.	: User				
Harvest Codes:							
Code:	Value:						
1	Yes						
2	No						
Long Name: Intraop	TEE post procedure					SeqNo:	3157
Short Name: InOpT	EE					Core:	Yes
Section Name: Operation	ive					Harvest:	Yes
DBTableName AdultI	Data						
Definition: Indicate v	whether intraoperative TEE	was performed f	followin	g procedure.			
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:		NQFField:			
		ModelField:		PQRIField:			
Parent Long Name:		Format:		(categorical va fied by STS)	lues		
ParentShortName:		DataLength:					
ParentValue:		Data Source.	: User				
Harvest Codes:							
Code:	Value:						
1	Yes						
2	No						

STS Adult Cardiac Database					on: 2.73
Long Name:	Post Repair TEE Aortic Insufficie	ency		SeqNo:	3158
Short Name.	PRepAR			Core:	Yes
Section Nan	<i>ne:</i> Operative			Harvest:	Yes
DBTableNa	me AdultData				
Definition:	Indicate the highest level of aortic reshould be coded as moderate; moder be the LAST ASSESSMENT before repair, separates from CPB and finds and finds no AR, it should be record	e leaving the oper s moderate AR, s	uld be coded as severe. Am ating room. For example: i	nount of AR s f patient has	should aortic
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		

Parent Long Name:	Intraop TEE post procedure	Format:	Text (categorical values specified by STS)
ParentShortName:	InOpTEE	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes:

Code:	Value:
1	None
2	Trace/trivial
3	Mild
4	Moderate
5	Severe

STS Adult Car	STS Adult Cardiac Database				
Long Name:	Post Repair TEE Mitral Insufficienc	:y		SeqNo:	3159
Short Name:	PRepMR			Core:	Yes
Section Name	e: Operative			Harvest:	Yes
DBTableNam	e AdultData				
:   	Indicate the highest level of mitral reg should be coded as moderate; moderat be the LAST ASSESSMENT before le repair, separates from CPB and finds r and finds no MR, it should be recorded	e to severe sho eaving the oper noderate MR, s	uld be coded as severe. A ating room. For example:	mount of MR	should mitral
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		

Text (categorical values specified by STS)

Parent Long Name:	Intraop TEE post procedure	Format:	Text ( specif
ParentShortName:	InOpTEE	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Harvest Codes:

Code:	Value:
1	None
2	Trace/trivial
3	Mild
4	Moderate
5	Severe

STS Adult Cardiac Database				Versio	on: 2.73
Long Name: Post Repair TE	E Tricuspid Insuffic	iency		SeqNo:	3161
Short Name: PRepTR				Core:	Yes
Section Name: Operative				Harvest:	Yes
DBTableName AdultData					
Moderate should	be coded as moderat	te; moderate to s	und on post CPB intraop ' severe should be coded as ng the operating room.		
LowValue: UsualR	angeLow:	ACCField:	Not mapped		
HighValue: UsualR	angeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: Intraop T	EE post procedure	Format:	Text (categorical values specified by STS)	3	
ParentShortName: InOpTEE		DataLength:			
<i>ParentValue:</i> = "Yes"		Data Source.	User		
Harvest Codes:					
Code: Value:					
1 None					
2 Trace/t	rivial				
3 Mild					
4 Modera	ate				
5 Severe					
Long Name: Hybrid Procedu	ire CAB PCI			SeqNo:	3165
Short Name: CABHybrPCI				Core:	Yes
Section Name: Coronary Bypa	SS			Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether	a hybrid coronary su	rgical and inter	ventional cardiology proc	edure was perf	formed.
LowValue: UsualR	angeLow:	ACCField:	Not mapped		
HighValue: UsualR	angeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: CAB		Format:	Text (categorical values specified by STS)	3	
ParentShortName: OpCAB		DataLength:			
<i>ParentValue:</i> = "Yes"		Data Source:	User		
Harvest Codes:					
Code: Value:					
1 Yes					
2 No					

Long Name: Hy	brid Status			SeqNo:	3170
Short Name: Hy	brStat			Core:	Yes
Section Name: Con	ronary Bypass			Harvest:	Yes
DBTableName Ac	lultData				
Definition: Indica	ate Status of Hybrid procedure.				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: Hybrid Procedure CAB PCI	Format:	Text (categorical values specified by STS)		
ParentShortName:	CABHybrPCI	DataLength:			
ParentValue:	= "Yes"	Data Source.	User		
Harvest Cod	les and Value Definitions:				
<u>Cc</u>	ode: Value:	Definition	<u>n:</u>		
	1 Planned - concurrent	Planned,	performed same setting		
	2 Planned - staged	Planned,	performed same hospital a	dmission	
	3 Unplanned	-	ed, performed after incomp rization or graft closure du dmission		
Long Name: Hy	brid Procedure			SeqNo:	3180
Short Name: Hy	brProc			Core:	Yes
Section Name: Con	ronary Bypass			Harvest:	Yes
DBTableName Ac	lultData				
Definition: Indica	ate PCI Procedure performed.				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: Hybrid Procedure CAB PCI	Format:	Text (categorical values specified by STS)		
ParentShortName:	CABHybrPCI	DataLength:			
ParentValue:	= "Yes"	Data Source.	User		
Harvest Cod	les:				
<u>Co</u>	ode: Value:				
	1 Angioplasty				

STS Adult Cardiac Database		Version: 2.73
Long Name: Dist Anast - Art #		SeqNo: 3190
Short Name: DistArt		Core: Ye
Section Name: Coronary Bypass		Harvest: Ye
DBTableName AdultData		
<i>Definition:</i> Indicate the total number of distal a artery, etc.	nastomoses with a	rterial conduits, whether IMA, GEPA, radial
LowValue: 0 UsualRangeLow:	ACCField:	Not mapped
HighValue: 9 UsualRangeHigh:	ReportField:	Yes NQFField: No
	ModelField:	No PQRIField: Yes
Parent Long Name: CAB	Format:	Integer
ParentShortName: OpCAB	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source:	User
Lang Names Dist Apost Main #		Secolor 2200
Long Name: Dist Anast - Vein # Short Name: DistVein		SeqNo: 3200 Core: Ye
Section Name: Coronary Bypass		Harvest: Ye
DBTableName AdultData		1147050. 10
DDTubleTvame AdultData		
Definition: Indicate the total number of distal a	nastomoses with v	enous conduits
<i>Definition:</i> Indicate the total number of distal a		
LowValue: 0 UsualRangeLow:	ACCField:	Not mapped
	ACCField: ReportField:	Not mapped Yes <i>NQFField:</i> No
LowValue: 0 UsualRangeLow: HighValue: 9 UsualRangeHigh:	ACCField:	Not mapped Yes <i>NQFField:</i> No
LowValue: 0 UsualRangeLow:	ACCField: ReportField:	Not mapped Yes <i>NQFField:</i> No
LowValue: 0 UsualRangeLow: HighValue: 9 UsualRangeHigh:	ACCField: ReportField: ModelField:	Not mapped Yes <i>NQFField:</i> No No <i>PQRIField:</i> Yes

STS Adult Cardiac Database				Versio	on: 2.73
Long Name: Dist Anast - Vein Harvest Techniqu Short Name: DistVeinHTech	le			SeqNo: Core:	3205 Yes
Section Name: Coronary Bypass				Harvest:	Yes
DBTableName AdultData					
<i>Definition:</i> Indicate the technique used to harvest	the vein graft(s	5).			
LowValue: UsualRangeLow:	ACCField:	Not ma	apped		
HighValue: UsualRangeHigh:	ReportField:	No	NQFField: No		
	ModelField:	No	PQRIField: No		
Parent Long Name: Dist Anast - Vein #	Format:		categorical values ied by STS)		
ParentShortName: DistVein	DataLength:				
<i>ParentValue:</i> > 0	Data Source.	User			
Harvest Codes:					
<u>Code:</u> <u>Value:</u>					
1 Endoscopic					
2 Direct Vision (open)					
3 Both					
4 Cryopreserved					
Long Name: Saphenous Vein Harvest Time				SeqNo:	3206
Short Name: Saphenous vent Harvest Time				Core:	Yes
Section Name: Coronary Bypass				Harvest:	Yes
DBTableName AdultData				1100 0050	105
<i>Definition:</i> Indicate the total time in minutes for s	aphenous vein	harvest.			
LowValue: 1 UsualRangeLow:	ACCField:	Not ma	apped		
HighValue: 120 UsualRangeHigh:	ReportField:	No	<i>NQFField:</i> No		
	ModelField:	No	PQRIField: No		
Parent Long Name: Dist Anast - Vein Harvest Technique	Format:	Intege	er		
ParentShortName: DistVeinHTech	DataLength:				
ParentValue: = "Endoscopic", "Direct Vision (open)", or "Both"	Data Source				

STS Adult Cardiac Database	Version: 2	2.73
Long Name: Saphenous Vein Preparation Ti	me SeqNo: 3	3207
Short Name: SaphPrepT	Core:	Yes
Section Name: Coronary Bypass	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the total amount of vein	preparation time (e.g., side branch ligation, etc.) in minutes.	
LowValue: 1 UsualRangeLow:	ACCField: Not mapped	
HighValue: 60 UsualRangeHigh:	ReportField: NQFField:	
	ModelField: PQRIField:	
Parent Long Name: Dist Anast - Vein Harves Technique	Format: Integer	
ParentShortName: DistVeinHTech	DataLength:	
ParentValue: = "Endoscopic", "Direct Vision (open)", or "Both"	Data Source: User	
Long Name: IMA Artery Used	SeqNo: 3	3210
Short Name: IMAArtUs	Core:	Yes
Section Name: Coronary Bypass	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate which, if any, Internal M	ammary Artery(ies) (IMA) were used for grafts.	
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: Yes	
	ModelField: No PQRIField: Yes	
Parent Long Name: CAB	<i>Format:</i> Text (categorical values specified by STS)	
ParentShortName: OpCAB	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Left IMA		
2 Right IMA		
3 Both IMAs		
4 No IMA		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Reason for No IMA			SeqNo:	3220
Short Name: NoIMARsn			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate PRIMARY reason Internal M	Iammary artery	was not used as documen	ted in medical	record.
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: IMA Artery Used	Format:	Text (categorical values specified by STS)	i	
ParentShortName: IMAArtUs	DataLength:			
ParentValue: = "No IMA"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 The IMA is not a suitable conduit due to size or flow				
2 Subclavian stenosis				
3 Previous cardiac or thoracio surgery	2			
4 Previous mediastinal radiat	ion			
5 Emergent or salvage procedure				
6 No LAD disease				
Long Name: IMA Dist Anast #			SeqNo:	3230
Short Name: NumIMADA			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the total number of distal ana	stomoses done u	using IMA grafts.		
LowValue: 0 UsualRangeLow:	ACCField:	Not mapped		
HighValue: 6 UsualRangeHigh:	ReportField:	No NQFField: No	)	
	ModelField:	No PQRIField: No	,	
Parent Long Name: IMA Artery Used	Format:	Integer		
ParentShortName: IMAArtUs	DataLength:			
<i>ParentValue:</i> = "Left IMA", "Right IMA", or "Both IMAs"	Data Source:	User		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: IMA Harvest Technique			SeqNo:	3240
Short Name: IMATechn			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the technique of IMA harvest.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: IMA Artery Used	Format:	Text (categorical values specified by STS)		
ParentShortName: IMAArtUs	DataLength:			
ParentValue: = "Left IMA", "Right IMA", or "Both IMAs"	Data Source:	User		
Harvest Codes:				
Code: Value:				
2 Direct Vision (open)				
3 Thoracoscopy				
4 Combination				
5 Robotic Assisted				
Long Name: Radial Artery Used			SeqNo:	3250
Short Name: RadArtUs			Core:	No
Section Name: Coronary Bypass			Harvest:	No
DBTableName AdultData				
Definition: Indicate which radial artery(ies) was/w No Radial artery Left Radial artery Right Radial artery Both Radial arteries	ere used for gr	afts:		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: CAB	Format:	Text (categorical values specified by STS)		
ParentShortName: OpCAB	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				

1 N	No Radial				
2 I	.eft Radial				
3 F	Right Radial				
4 E	Both Radials				
Long Name: Number	of Radial Arteries Used	1		SeqNo:	3260
Short Name: NumRad	lArtUs			Core:	Yes
Section Name: Coronary	v Bypass			Harvest:	Yes
DBTableName AdultDa	ıta				
Definition: Indicate the	e number of radial arter	y(ies) that were us	ed for grafts.		
LowValue: 0	JsualRangeLow:	ACCField:	Not mapped		

Lowvalue. 0	UsuaiKangeLow.	ACCField.	Not mapped
HighValue: 2	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB	Format:	Integer
ParentShortName:	OpCAB	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Long Name:Radial Dist Anast #Short Name:NumRadDASection Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the total number of distal anast	tomoses done using radial arter	SeqNo: 3270 Core: Yes Harvest: Yes
LowValue: 0 UsualRangeLow: HighValue: 6 UsualRangeHigh:	ACCField: Not mapped	eld: No
Parent Long Name: Number of Radial Arteries Used	Format: Integer	
ParentShortName:NumRadArtUsParentValue:> 0	DataLength: Data Source: User	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Radial Dist Anast Harvest Techni	que		SeqNo:	3280
Short Name: RadHTech			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the technique used to harve	at the radial artery(s).			
LowValue: UsualRangeLow:	ACCField: Not mapped			
HighValue: UsualRangeHigh:	ReportField: No NQFField:	No		
	ModelField: No PQRIField:	No		
Parent Long Name: Radial Dist Anast #	<i>Format:</i> Text (categorical v specified by STS)	alues		
ParentShortName: NumRadDA	DataLength:			
<i>ParentValue:</i> > 0	Data Source: User			
Harvest Codes:				
<u>Code: Value:</u>				
1 Endoscopic				
2 Direct Vision (open)				
3 Both				
Long Name: Radial Artery Harvest Time			SeqNo:	3285
Short Name: RadHrvstT			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the total time in minutes for	radial artery harvesting.			
LowValue: 1 UsualRangeLow:	ACCField: Not mapped			
HighValue: 120 UsualRangeHigh:	ReportField: No NQFField:	No		
	ModelField: No PQRIField:	No		
Parent Long Name: Radial Dist Anast #	Format: Integer			
ParentShortName: NumRadDA	DataLength:			
<i>ParentValue:</i> > 0	Data Source: User			

STS Adult Cardiac Database			on: 2.73
<i>Long Name:</i> Radial Artery Preparation Time	Se	eqNo:	3286
Short Name: RadPrepT		Core:	Yes
Section Name: Coronary Bypass	На	vest:	Ye
DBTableName AdultData			
Definition: Indicate the total amount of artery p	reparation time (e.g., side branch ligation, etc.) in	minutes	•
LowValue: 1 UsualRangeLow:	ACCField: Not mapped		
HighValue: 60 UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Radial Dist Anast #	Format: Integer		
ParentShortName: NumRadDA	DataLength:		
ParentValue: > 0	Data Source: User		
Long Names CEDA Dist Apost #	c	agNo.	220(
0	Se	eqNo: Core:	-
Short Name: NumGEPDA		eqNo: Core: vest:	No
Short Name: NumGEPDA Section Name: Coronary Bypass		Core:	No
Short Name: NumGEPDA Section Name: Coronary Bypass DBTableName AdultData		Core: west:	No
Short Name: NumGEPDA Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the total number of distal a	Har	Core: west:	3290 No No
Short Name: NumGEPDA Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the total number of distal a	Hannastomoses done using gastro-epiploic artery graf	Core: west:	No
Short Name: NumGEPDA Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the total number of distal a LowValue: 0 UsualRangeLow:	Hannastomoses done using gastro-epiploic artery graf ACCField: Not mapped	Core: west:	No
Short Name: NumGEPDA Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the total number of distal a LowValue: 0 UsualRangeLow:	Han nastomoses done using gastro-epiploic artery graf ACCField: Not mapped ReportField: No NQFField: No	Core: west:	No
Short Name: NumGEPDA Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the total number of distal a LowValue: 0 UsualRangeLow: HighValue: 6 UsualRangeHigh:	Han nastomoses done using gastro-epiploic artery graf ACCField: Not mapped ReportField: No NQFField: No ModelField: No PQRIField: No	Core: west:	No

STS Adult Cardiac Database	Version: 2.73
Long Name: Other Arterial Distal Anastomos	es # SeqNo: 3300
Short Name: NumOArtD	Core: Yes
Section Name: Coronary Bypass	Harvest: Yes
DBTableName AdultData	
Definition: Indicate the number of arterial dist	l anastomoses that were used, other than radial or IMA.
LowValue: 0 UsualRangeLow:	ACCField: Not mapped
HighValue: 6 UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: CAB	Format: Integer
ParentShortName: OpCAB	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
	C N 2010
Long Name: Anastomotic Device Used	SeqNo: 3310
Short Name: AnasDevU Section Name: Coronary Bypass	<i>Core:</i> No <i>Harvest:</i> No
DBTableName AdultData	nuivest. In
	vice/material was used for proximal or distal anastomoses such
as glue, magnets, clips, stapler, etc.	
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: CAB	Format: Text (categorical values specified by STS)
ParentShortName: OpCAB	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes:	
Harvest Codes: <u>Code:</u> <u>Value:</u>	

STS Adult Cardiac Database			Versi	on: 2.73
Long Name: Anastomotic Device			SeqNo:	3320
Short Name: AnasDev			Core:	No
Section Name: Coronary Bypass			Harvest:	No
DBTableName AdultData				
<i>Definition:</i> Indicate which type of anastomotic deused on Distal Anastomosis.	evice was used.	If more than one device	used, indicate o	levice
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No	)	
	ModelField:	No PQRIField: No	)	
Parent Long Name: Anastomotic Device Used	Format:	Text (categorical value specified by STS)	S	
ParentShortName: AnasDevU	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Glue				
2 Magnets				
3 Clips				
4 Staples				
9 Other				
Long Name: CAB Native Coronary Disease Loo	cation 01		SeqNo:	3355
Long Name: CAB Native Coronary Disease Loo Short Name: CABDisLoc01	cation 01		SeqNo: Core:	3355 Yes
-	cation 01		-	
Short Name: CABDisLoc01	cation 01		Core:	Yes
Short Name: CABDisLoc01 Section Name: Coronary Bypass			Core:	Yes
Short Name:CABDisLoc01Section Name:Coronary BypassDBTableNameAdultData		Not mapped	Core:	Yes
Short Name: CABDisLoc01 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary disease I	ocation.	Not mapped NQFField:	Core:	Yes
Short Name:CABDisLoc01Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disease ILowValue:UsualRangeLow:	ocation. ACCField:	••	Core:	Yes
Short Name:CABDisLoc01Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disease ILowValue:UsualRangeLow:	ocation. ACCField: ReportField:	NQFField:	Core: Harvest:	Yes
Short Name:CABDisLoc01Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disease 1LowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ocation. ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical value	Core: Harvest:	Yes
Short Name:CABDisLoc01Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disease ILowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB	ocation. ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical value specified by STS)	Core: Harvest:	Yes
Short Name:CABDisLoc01Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disease ILowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CABParentShortName:OpCAB	ocation. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical value specified by STS)	Core: Harvest:	Yes
Short Name:       CABDisLoc01         Section Name:       Coronary Bypass         DBTableName       AdultData         Definition:       Indicate the native coronary disease I         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       CAB         ParentShortName:       OpCAB         ParentValue:       = "Yes"	ocation. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical value specified by STS)	Core: Harvest:	Yes
Short Name: CABDisLoc01   Section Name: Coronary Bypass   DBTableName AdultData   Definition: Indicate the native coronary disease I   LowValue: UsualRangeLow:   HighValue: UsualRangeHigh:   Parent Long Name: CAB   ParentShortName: OpCAB   ParentValue: = "Yes"   Harvest Codes:	ocation. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical value specified by STS)	Core: Harvest:	Yes

Short Name	CARP	PctSten()1	Core:	Yes
Long Name:	CAB I	Highest Percent Stenosis In Native Vessel 01	SeqNo:	3356
	15	Ramus		
	14	AM branches		
	13	PLB		
	12	PDA		
	11	RCA		
	10	OM 3		
	9	OM 2		
	8	OM 1		
	7	Circumflex		
	6	Diagonal 2		
	5	Diagonal 1		
	4	Distal LAD		
	3	Mid LAD		

Short Name: CABPctSten01 Section Name: Coronary Bypass		Core: Harvest:	Yes Yes
DBTableName AdultData			
Definition: Indicate the highest percentage of sten	osis found in the native vessel.		
LowValue: 1 UsualRangeLow:	ACCField: Not mapped		
HighValue: 100 UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CAB	Format: Integer		
ParentShortName: OpCAB	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: CAB Previous Conduit 01		SeqNo:	3357
Short Name: CABPrevCon01		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate presence of coronary arts	ery bypass conduit for this vessel	and whether or not it is dis	eased.
LowValue: UsualRangeLow:	ACCField: Not mapped	d	
HighValue: UsualRangeHigh:	ReportField: NQ	)FField:	
	ModelField: PQ	RIField:	
Parent Long Name: CAB	Format: Text (catego specified b	gorical values by STS)	
ParentShortName: OpCAB	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
<u>Code:</u> <u>Value:</u>			
1 Yes - Diseased			
2 Yes - No disease			
3 No previous conduit			
Long Name: CAB Proximal Site 01		SeqNo:	3360
Short Name: CABProximalSite01		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate proximal site of the bypa	ss graft.		
LowValue: UsualRangeLow:	ACCField: Not mapped	d	
HighValue: UsualRangeHigh:	ReportField: NQ	)FField:	
	ModelField: PQ	RIField:	
Parent Long Name: CAB	Format: Text (catego specified b	gorical values by STS)	
ParentShortName: OpCAB	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
Code: Value:			
1 In Situ Mammary			
2 Ascending aorta			
3 Descending aorta			
4 Subclavian artery			

- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

Long Name:	CAB Proximal Technique 01	SeqNo:	3370
Short Name:	CABProxTech01	Core:	Yes
Section Name.	· Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate technique used for proximal anastomosis.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name: C	CAB	Format:	Text (categorical values specified by STS)
ParentShortName: O	pCAB	DataLength:	
ParentValue: =	"Yes"	Data Source:	User
Harvest Codes:			
Code:	Value:		
5	In Situ Mammary		
1	Running		
2	Interrupted		
3	Anastomotic Device		
4	Anastomotic Assist Device		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Conduit 01			SeqNo:	3380
Short Name: CABConduit01			Core:	Ye
Section Name: Coronary Bypass			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB	Format:	Text (categorical values specified by STS)		
ParentShortName: OpCAB	DataLength:			
ParentValue: = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				
4 Free IMA				
5 Radial artery				
6 Other arteries, homograft				
Long Name: CAB Distal Site 01			SeqNo:	3390
Short Name: CABDistSite01			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate distal insertion site of bypass.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB	Format:	Text (categorical values specified by STS)		
ParentShortName: OpCAB	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes and Value Definitions:				
Code: Value:	Definition	<u>1:</u>		
1 RCA	Right Cor	onary Artery		
2 AM	Acute Ma	rginal		

3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

Long Name:	CAB Distal Technique 01	SeqNo:	3400
Short Name:	CABDistTech01	Core:	Yes
Section Name:	Coronary Bypass	Harvest:	Yes

*DBTableName* AdultData *Definition:* Indicate technique used for distal anastomosis.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB	Format:	Text (categorical values specified by STS)
ParentShortName:	OpCAB	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Codes	3:		
Code	e: <u>Value:</u>		
1	Running		
2	2 Interrupted		
3	3 Clips		
4	Anastomotic Device		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Position 01			SeqNo:	3410
Short Name: CABDistPos01			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB	Format:	Text (categorical values specified by STS)		
ParentShortName: OpCAB	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				
Lang Names CAR Endertorectore 01			SecNet	2420
Long Name: CAB Endarterectomy 01			SeqNo:	3420 Yes
Short Name: CABEndArt01 Section Name: Coronary Bypass			Core: Harvest:	Yes
DBTableName AdultData			marvesi.	103
<i>Definition:</i> Indicate whether endarterectomy was	performed			
		Not many a		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Danant Lana Nama, CAD				
Parent Long Name: CAB	Format:	Text (categorical values specified by STS)		
ParentShortName: OpCAB	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

STS Adult Cardiac I	Database			Versio	on: 2.73
Long Name: CA	B Hybrid PCI 01			SeqNo:	3430
Short Name: CA	BHyPCI01			Core:	Yes
Section Name: Cor	onary Bypass			Harvest:	Yes
DBTableName Ad	ultData				
	te whether hybrid PCI (Perc nction with this graft.	utaneous Coronary	Intervention) procedure w	as performed	in
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name.	CAB	Format:	Text (categorical values specified by STS)		
ParentShortName:	OpCAB	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	es:				
<u>Co</u>	de: Value:				
	1 No				
	2 Angioplasty				
	3 Stent				
Long Name: CA	B 02			SeqNo:	3440
0	B02			Core:	Yes
Section Name: Cor	onary Bypass			Harvest:	Yes
DBTableName Ad	ultData				
Definition: Indica	te whether a second Corona	ry Artery Bypass gr	aft was done.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name.	CAB	Format:	Text (categorical values specified by STS)		
ParentShortName:	OpCAB	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	es:				
Co	de: Value:				
	1 Yes				
	2 No				

STS Adult Cardiac Database V		Versio	ersion: 2.73	
Long Name:	CAB Native Coronary Disease Location 02	SeqNo:	3445	
Short Name:	CABDisLoc02	Core:	Yes	
Section Name:	Coronary Bypass	Harvest:	Yes	
DBTableName	e AdultData			
Definition: I	ndicate the native coronary disease location.			

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 02	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB02	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes:

Code:	Value:
1	Left Main
2	Proximal LAD
3	Mid LAD

- 4 Distal LAD
- 5 Diagonal 1
- 6 Diagonal 2
- 7 Circumflex
- 8 OM 1
- 9 OM 2
- 10 OM 3
- 11 RCA
- 12 PDA
- 13 PLB
- 14 AM branches
- 15 Ramus

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Highest Percent Stenosis	In Native Vessel 02		SeqNo:	3446
Short Name: CABPctSten02			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the highest percentage o	f stenosis found in the	native vessel.		
LowValue: 1 UsualRangeLow:	ACCField:	Not mapped		
HighValue: 100 UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 02	Format:	Integer		
ParentShortName: CAB02	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Long Name: CAB Previous Conduit 02			SeqNo:	3447
Short Name: CABPrevCon02			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate presence of coronary art	ery bypass conduit for	this vessel and whether	r or not it is dis	eased.
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 02		Text (categorical values specified by STS)	8	
ParentShortName: CAB02	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes - Diseased				
2 Yes - No disease				
3 No previous conduit				

STS Adult Cardiac Database		Versio	Version: 2.73	
Long Name:	CAB Proximal Site 02	SeqNo:	3450	
Short Name:	CABProximalSite02	Core:	Yes	
Section Name:	Coronary Bypass	Harvest:	Yes	

DBTableName AdultData

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 02	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB02	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes:

Code: Value:

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versic	on: 2.73
Long Name: CAB Proximal Technique 02			SeqNo:	3460
Short Name: CABProxTech02			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 02	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB02	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
rr Name: CABProxTech02 Core: Yes tion Name: Coronary Bypass Harvest: Yes TableName AdultData inition: Indicate technique used for proximal anastomosis. Walue: UsualRangeLow: ACCField: Not mapped hValue: UsualRangeHigh: ReportField: NQFField: ModelField: PQRIField: ModelField: PQRIField: ModelField: PQRIField: ModelField: PQRIField: ModelField: PQRIField: ModelField: PQRIField: ModelField: PQRIField: ModelField: Value: ************************************				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 02			SeqNo:	3470
Short Name: CABConduit02			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 02	Format:			
ParentShortName: CAB02	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

4 Free IMA

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 02	SeqNo:	3480
Short Name:	CABDistSite02	Core:	Yes
Section Name.	Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 02	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB02	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes and Value Definitions:

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 02			SeqNo:	3490
Short Name: CABDistTech02			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 02	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB02	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 02			SeqNo:	3500
Short Name: CABDistPos02			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 02	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB02	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: CAB Endarterectomy 02		SeqNo:	3510
Short Name: CABEndArt02		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate whether endarterectomy	was performed.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CAB 02	Format: Text (categorical values specified by STS)		
ParentShortName: CAB02	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
<u>Code: Value:</u>			
$\frac{1}{1}$ Yes			
2 No			
Long Name: CAB Hybrid PCI 02		SeqNo:	3520
Short Name: CAB HypCI02		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
	rcutaneous Coronary Intervention) procedure v	vas performed	in
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CAB 02	Format: Text (categorical values specified by STS)		
ParentShortName: CAB02	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
~			
<u>Code:</u> <u>Value:</u>			
<u>Code:</u> <u>Value:</u> 1 No			

	Database			Versio	n: 2.73
Long Name: CA	В 03			SeqNo:	353
Short Name: CA	<b>B</b> 03			Core:	Ye
Section Name: Con	conary Bypass			Harvest:	Ye
DBTableName Ad	lultData				
Definition: Indica	ate whether a third Coronary	Artery Bypass graf	t was done.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: CAB 02	Format:	Text (categorical values specified by STS)		
ParentShortName:	CAB02	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	es:				
	de: Value:				
<u></u>	1 Yes				
	2 No				
Short Name: CA	B Native Coronary Disease : BDisLoc03	Location 05		SeqNo: Core: Harvest	Ye
Short Name: CA Section Name: Con DBTableName Ac	BDisLoc03 ronary Bypass			•	Ye
Short Name: CA Section Name: Con DBTableName Ac	BDisLoc03 onary Bypass lultData		Not mapped	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica	BDisLoc03 onary Bypass lultData ate the native coronary diseas	se location.	Not mapped NQFField:	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue:	BDisLoc03 ronary Bypass lultData ate the native coronary diseas UsualRangeLow:	se location. ACCField:		Core:	353: Ye Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue:	ABDisLoc03 ronary Bypass lultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh:	se location. ACCField: ReportField:	NQFField:	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name	ABDisLoc03 ronary Bypass lultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 03	se location. ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue:	ABDisLoc03 ronary Bypass lultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 03	se location. ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name ParentShortName:	ABDisLoc03 ronary Bypass lultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 03 CAB03 = "Yes"	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	ABDisLoc03 ronary Bypass lultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 03 CAB03 = "Yes"	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	ABDisLoc03 ronary Bypass hultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 03 CAB03 = "Yes" es:	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	ABDisLoc03 ronary Bypass hultData ate the native coronary diseas <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> : CAB 03 CAB03 = "Yes" des: <u>Value:</u>	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	ABDisLoc03 ronary Bypass hultData ate the native coronary diseas <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> : CAB 03 CAB03 = "Yes" des: <u>Value:</u> 1 Left Main	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	ABDisLoc03 ronary Bypass hultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 03 CAB03 = "Yes" de: Value: 1 Left Main 2 Proximal LAD	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Con DBTableName Ac Definition: Indica LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Cod	ABDisLoc03 ronary Bypass hultData ate the native coronary diseas <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> : CAB 03 CAB03 = "Yes" de: <u>Value:</u> 1 Left Main 2 Proximal LAD 3 Mid LAD	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye

Circumflex			
OM 1			
OM 2			
OM 3			
RCA			
PDA			
PLB			
AM branches			
Ramus			
Highest Percent Stenosis In Native Vessel 03	SeqNo:	3536	
PctSten03	Core:	Yes	
ary Bypass	Harvest:	Yes	
Data			
Definition: Indicate the highest percentage of stenosis found in the native vessel.			
UsualRangeLow: ACCField: Not mapped			
	OM 1 OM 2 OM 3 RCA PDA PLB AM branches Ramus Highest Percent Stenosis In Native Vessel 03 <b>PctSten03</b> ary Bypass Data the highest percentage of stenosis found in the native vessel.	OM 1 OM 2 OM 3 RCA PDA PLB AM branches Ramus Highest Percent Stenosis In Native Vessel 03 PctSten03 rectSten03 rectSten03 SeqNo: Core: ary Bypass Harvest: Data the highest percentage of stenosis found in the native vessel.	

HighValue: 100	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 03	Format:	Integer
ParentShortName:	CAB03	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Long Name:	CAB Previous Conduit 03	SeqNo:	3537	
Short Name:	CABPrevCon03	Core:	Yes	
Section Name:	Coronary Bypass	Harvest:	Yes	
DBTableName AdultData				
Definition: Indicate presence of coronary artery bypass conduit for this vessel and whether or not it is diseased.				

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 03	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB03	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

Code: Value:

1 Yes - Diseased

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 03	SeqNo:	3540
Short Name:	CABProximalSite03	Core:	Yes
Section Name	: Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 03	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB03	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

Code: Value:

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Proximal Technique 03			SeqNo:	355
Short Name: CABProxTech03			Core:	Ye
Section Name: Coronary Bypass			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 03	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB03	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 03			SeqNo:	3560
Short Name: CABConduit03			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 03	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB03	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 03	SeqNo:	3570
Short Name:	CABDistSite03	Core:	Yes
Section Name.	· Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 03	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB03	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 03			SeqNo:	3580
Short Name: CABDistTech03			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 03	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB03	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 03			SeqNo:	3590
Short Name: CABDistPos03			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 03	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB03	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac Database				Versic	n: 2.73
Long Name: CAB Endarte	erectomy 03			SeqNo:	3600
Short Name: CABEndArt	03			Core:	Yes
Section Name: Coronary By	pass			Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether	er endarterectomy w	vas performed.			
LowValue: Usua	ılRangeLow:	ACCField:	Not mapped		
HighValue: Usua	ılRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: CAB 0.	3	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB03		DataLength:			
<i>ParentValue:</i> = "Yes"		Data Source:	User		
Harvest Codes:					
<u>Code:</u> Valu	e:				
1 Yes	_				
2 No					
Long Name: CAB Hybrid	PCL03			SeqNo:	3610
Short Name: CABHyPCI				Core:	Yes
Section Name: Coronary By				Harvest:	Yes
DBTableName AdultData	-				
Definition: Indicate whether conjunction with	•	utaneous Coronary	Intervention) procedure w	as performed	in
LowValue: Usua	ılRangeLow:	ACCField:	Not mapped		
HighValue: Usua	ılRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: CAB 0.	3	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB03		DataLength:			
<i>ParentValue:</i> = "Yes"		Data Source:	User		
Harvest Codes:					
Code: Valu	<u>e:</u>				
1 No					
2 Angi	oplasty				

STS Adult Cardiac	Database			Versic	on: 2.73
Long Name: CA	B 04			SeqNo:	362
Short Name: CA	AB04			Core:	Ye
Section Name: Co	ronary Bypass			Harvest:	Ye
DBTableName Ac	lultData				
Definition: Indica	ate whether a fourth Coronar	y Artery Bypass gra	ft was done.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: CAB 03	Format:	Text (categorical values specified by STS)		
ParentShortName:	CAB03	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	es.				
	ode: <u>Value:</u>				
	1 Yes				
	2 No				
Short Name: CA	B Native Coronary Disease	Location 04		SeqNo: Core: Harvest:	Ye
Short Name: CA Section Name: Co DBTableName Ac	ABDisLoc04 ronary Bypass dultData			•	362: Ye Ye
Short Name: CA Section Name: Co DBTableName Ac	ABDisLoc04 ronary Bypass lultData ate the native coronary diseas		Not mapped	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indica	ABDisLoc04 ronary Bypass dultData	se location. ACCField:	Not mapped NQFField:	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indica LowValue:	ABDisLoc04 ronary Bypass dultData ate the native coronary diseas UsualRangeLow:	se location.		Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indica LowValue:	ABDisLoc04 ronary Bypass lultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh:	se location. ACCField: ReportField:	NQFField:	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indica LowValue: HighValue:	ABDisLoc04 ronary Bypass dultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 04	se location. ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name	ABDisLoc04 ronary Bypass lultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 04	se location. ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName:	ABDisLoc04 ronary Bypass dultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 04 CAB04 = "Yes"	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coc	ABDisLoc04 ronary Bypass dultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 04 CAB04 = "Yes"	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coc	ABDisLoc04 ronary Bypass dultData ate the native coronary diseas <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> : CAB 04 CAB04 = "Yes"	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coc	ABDisLoc04 ronary Bypass hultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: : CAB 04 CAB04 = "Yes" des: value: Value:	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coc	ABDisLoc04 ronary Bypass dultData ate the native coronary diseas <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> : CAB 04 CAB04 = "Yes" des: <u>value:</u> 1 Left Main	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coc	ABDisLoc04 ronary Bypass hultData ate the native coronary diseas UsualRangeLow: UsualRangeHigh: CAB 04 CAB04 = "Yes" les: de: Value: 1 Left Main 2 Proximal LAD	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye
Short Name: CA Section Name: Co DBTableName Ac Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coc	ABDisLoc04 ronary Bypass dultData ate the native coronary diseas <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> : CAB 04 CAB04 = "Yes" les: <u>ode: Value:</u> 1 Left Main 2 Proximal LAD 3 Mid LAD	se location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Ye

7	Circumflex		
8	OM 1		
9	OM 2		
10	OM 3		
11	RCA		
12	PDA		
13	PLB		
14	AM branches		
15	Ramus		
Long Name: CAB H	lighest Percent Stenosis In Native Vessel 04	SeqNo:	3626
Short Name: CABPO	ctSten04	Core:	Yes
Section Name: Corona	ry Bypass	Harvest:	Yes
DBTableName Adult	Data		
Definition: Indicate th	he highest percentage of stenosis found in the native vessel.		

LowValue: 1	UsualRangeLow:	ACCField:	Not mapped
HighValue: 100	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Nam	<i>e</i> : CAB 04	Format:	Integer
ParentShortName	: CAB04	DataLength:	

Long Name: CAB Previous Conduit 04		SeqNo:	3627
Short Name: CABPrevCon04		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate presence of coronary artery	bypass conduit for this vessel and whet	her or not it is disc	eased.
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CAB 04	Format: Text (categorical val specified by STS)	ues	
ParentShortName: CAB04	DataLength:		
ParentValue: = "Yes"	Data Source: User		

Harvest Codes:

Code: Value:

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 04	SeqNo:	3630
Short Name:	CABProximalSite04	Core:	Yes
Section Name.	· Coronary Bypass	Harvest:	Yes

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 04	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB04	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	s:		

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Proximal Technique 04			SeqNo:	3640
Short Name: CABProxTech04			Core:	Ye
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 04	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB04	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 04			SeqNo:	3650
Short Name: CABConduit04			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 04	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB04	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 04	SeqNo:	3660
Short Name:	CABDistSite04	Core:	Yes
Section Name.	· Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 04	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB04	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 04			SeqNo:	3670
Short Name: CABDistTech04			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 04	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB04	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 04			SeqNo:	3680
Short Name: CABDistPos04			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 04	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB04	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	: User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac D	Database			Versic	n: 2.73
Long Name: CAL	B Endarterectomy 04			SeqNo:	3690
Short Name: CA	BEndArt04			Core:	Yes
Section Name: Core	onary Bypass			Harvest:	Yes
DBTableName Adu	ultData				
Definition: Indicat	te whether endarterectomy v	was performed.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	CAB 04	Format:	Text (categorical values specified by STS)		
ParentShortName:	CAB04	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	es:				
Coc	de: Value:				
	1 Yes				
	2 No				
Long Name: CAI	B Hybrid PCI 04			SeqNo:	3700
Short Name: CA	BHyPCI04			Core:	Yes
Section Name: Core	onary Bypass			Harvest:	Yes
DBTableName Adu	ultData				
	te whether hybrid PCI (Perc action with this graft.	cutaneous Coronary	Intervention) procedure w	as performed	in
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	CAB 04	Format:	Text (categorical values specified by STS)		
ParentShortName:	CAB04	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	es:				
Cod	le: <u>Value:</u>				
	1 No				
	2 Angioplasty				

STS Adult Cardiac Database			Versic	n: 2.73
Long Name: CAB 05			SeqNo:	3710
Short Name: CAB05			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether a fifth Coronary A	rtery Bypass graft	t was done.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	~ PQRIField:		
Parent Long Name: CAB 04	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB04	DataLength:	,		
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u> 1 Yes				
2 No				
Long Name: CAB Native Coronary Disease Lo	ocation 05		SeqNo:	3715
Short Name: CABDisLoc05			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the native coronary disease	location.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB05	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code: Value:</u>				
1 Left Main				
2 Proximal LAD				
3 Mid LAD				
4 Distal LAD				
5 Diagonal 1				
6 Diagonal 2				
č				

7	Circumflex		
8	OM 1		
9	OM 2		
10	OM 3		
11	RCA		
12	PDA		
13	PLB		
14	AM branches		
15	Ramus		
Long Name: CAB H	Highest Percent Stenosis In Native Vessel 05	SeqNo:	3716
Short Name: CABP	ctSten05	Core:	Yes
Section Name: Corona	ary Bypass	Harvest:	Yes
DBTableName Adultl	Data		
Definition: Indicate t	he highest percentage of stenosis found in the native vessel.		
LowValue: 1	UsualRangeLow: ACCField: Not mapped		
HighValue: 100	UsualRangeHigh: ReportField: NQFField:		

		ModelField:	PQRIField:
Parent Long Name:	CAB 05	Format:	Integer
ParentShortName:	CAB05	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Long Name:	CAB Previous Conduit 05	SeqNo:	3717
Short Name:	CABPrevCon05	Core:	Yes
Section Name:	Coronary Bypass	Harvest:	Yes
DBTableName	e AdultData		

Definition: Indicate presence of coronary artery bypass conduit for this vessel and whether or not it is diseased.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 05	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB05	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

Code: Value:

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 05	SeqNo:	3720
Short Name:	CABProximalSite05	Core:	Yes
Section Name	· Coronary Bypass	Harvest:	Yes

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 05	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB05	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	s:		

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Proximal Technique 05			SeqNo:	3730
Short Name: CABProxTech05			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB05	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 05			SeqNo:	3740
Short Name: CABConduit05			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB05	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 05	SeqNo:	3750
Short Name:	CABDistSite05	Core:	Yes
Section Name.	Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 05	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB05	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 05			SeqNo:	3760
Short Name: CABDistTech05			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB05	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 05			SeqNo:	3770
Short Name: CABDister 1 ostion 05			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB05	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac Data	base			Versic	n: 2.73
Long Name: CAB E	ndarterectomy 05			SeqNo:	3780
Short Name: CABE	ndArt05			Core:	Yes
Section Name: Corona	ry Bypass			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate w	whether endarterectomy w	vas performed.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: C	AB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CA	AB05	DataLength:			
ParentValue: =	"Yes"	Data Source:	User		
Harvest Codes:					
	Value:				
1	Yes				
2	No				
Long Name: CAB H	ybrid PCI 05			SeqNo:	3790
-	yPCI05			Core:	Yes
Section Name: Corona	-			Harvest:	Yes
DBTableName Adult	Data				
	whether hybrid PCI (Percon with this graft.	utaneous Coronary	Intervention) procedure w	as performed	in
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: C	AB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CA	AB05	DataLength:			
<i>ParentValue:</i> =	"Yes"	Data Source:	User		
Harvest Codes:					
	Value:				
Code:					
	No				
	No Angioplasty				

STS Adult Cardiac Database			Versic	on: 2.73
Long Name: CAB 06			SeqNo:	3800
Short Name: CAB06			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether a sixth Coronary A	Artery Bypass graf	t was done.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 05	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB05	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
$\frac{1}{1} \text{ Yes}$				
2 No				
Short Name:CABDisLoc06Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disease	e location.		Core: Harvest:	Yes Yes
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 06	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB06	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Left Main				
2 Proximal LAD				
3 Mid LAD				
4 Distal LAD				
5 Diagonal 1				
6 Diagonal 2				

7 Circumflex		
8 OM 1		
9 OM 2		
10 OM 3		
11 RCA		
12 PDA		
13 PLB		
14 AM branches		
15 Ramus		
Long Name: CAB Highest Percent Stenosis	s In Native Vessel 06 SeqNo:	3806
Short Name: CABPctSten06	Core:	Yes
Section Name: Coronary Bypass	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the highest percentage of	of stenosis found in the native vessel.	

LowValue: 1	UsualRangeLow:	ACCField:	Not mapped
HighValue: 100	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name	e: CAB 06	Format:	Integer
ParentShortName	CAB06	DataLength:	
	011200	Bungengun	

Long Name: C	AB Previous Conduit 06		<i>SeqNo:</i> 3807	
Short Name: C	ABPrevCon06		Core: Yes	
Section Name: C	oronary Bypass		Harvest: Yes	
DBTableName A	AdultData			
Definition: Indi	cate presence of coronary arter	y bypass conduit fo	or this vessel and whether or not it is diseased.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped	
HighValue:	UsualRangeHigh:	ReportField:	NQFField:	
		ModelField:	PQRIField:	
Parent Long Nam	<i>ne:</i> CAB 06	Format:	Text (categorical values specified by STS)	
ParentShortName	e: CAB06	DataLength:		

Data Source: User

Harvest Codes:

ParentValue:

Code: Value:

= "Yes"

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 06	SeqNo:	3810
Short Name:	CABProximalSite06	Core:	Yes
Section Name	: Coronary Bypass	Harvest:	Yes

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 06	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB06	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Proximal Technique 06			SeqNo:	3820
Short Name: CABProxTech06			Core:	Ye
Section Name: Coronary Bypass			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 06	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB06	DataLength:	1 5 /		
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 06			SeqNo:	3830
Short Name: CABConduit06			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 06	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB06	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 06	SeqNo:	3840
Short Name:	CABDistSite06	Core:	Yes
Section Name.	Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 06	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB06	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 06			SeqNo:	3850
Short Name: CABDistTech06			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 06	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB06	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 06			SeqNo:	3860
Short Name: CABDistPos06			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 06	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB06	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	· User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac Databas	se			Versic	n: 2.73
Long Name: CAB Enda	arterectomy 06			SeqNo:	3870
Short Name: CABEndA	Art06			Core:	Yes
Section Name: Coronary I	Bypass			Harvest:	Yes
DBTableName AdultData	1				
Definition: Indicate whe	ther endarterectomy v	was performed.			
LowValue: Us	sualRangeLow:	ACCField:	Not mapped		
HighValue: Us	ualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: CAB	8 06	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB	06	DataLength:			
<i>ParentValue:</i> = "Ye	es"	Data Source:	User		
Harvest Codes:					
Code: Va	due:				
1 Ye					
2 No	)				
Long Name: CAB Hybr	id PCI 06			SeqNo:	3880
Short Name: CABHyPO				Core:	Yes
Section Name: Coronary I				Harvest:	Yes
DBTableName AdultData	1				
-	ther hybrid PCI (Perc with this graft.	utaneous Coronary	Intervention) procedure w	as performed	in
LowValue: Us	sualRangeLow:	ACCField:	Not mapped		
HighValue: Us	ualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: CAB	8 06	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB	06	DataLength:			
<i>ParentValue:</i> = "Ye	es"	Data Source:	User		
Harvest Codes:					
Code: V	<u>llue:</u>				
<u>Code:</u> <u>Va</u>					
$\frac{\text{Code:}}{1} Nc$	)				
1 No	o ngioplasty				

STS Adult Cardiac	Database			Versic	n: 2.73
Long Name: CA	AB 07			SeqNo:	3890
Short Name: CA	AB07			Core:	Ye
Section Name: Con	ronary Bypass			Harvest:	Ye
DBTableName Ad	lultData				
Definition: Indica	ate whether a seventh Corona	ary Artery Bypass g	raft was done.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: CAB 06	Format:	Text (categorical values specified by STS)		
ParentShortName:	CAB06	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	les.				
	ode: <u>Value:</u>				
<u></u>	1 Yes				
	2 No				
-	B Native Coronary Disease I	Location 07		SeqNo:	3895
	ABDisLoc07			Core:	Ye
Section Name: Con				Harvest:	Ye
DBTableName Ad		1			
	ate the native coronary diseas				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: CAB 07	Format:	Text (categorical values specified by STS)		
Parent Long Name ParentShortName:		Format: DataLength:			
-			specified by STS)		
ParentShortName:	CAB07 = "Yes"	DataLength:	specified by STS)		
ParentShortName: ParentValue: Harvest Cod	CAB07 = "Yes"	DataLength:	specified by STS)		
ParentShortName: ParentValue: Harvest Cod	CAB07 = "Yes" les:	DataLength:	specified by STS)		
ParentShortName: ParentValue: Harvest Cod	CAB07 = "Yes" les: <u>ode: Value:</u>	DataLength:	specified by STS)		
ParentShortName: ParentValue: Harvest Cod	CAB07 = "Yes" des: <u>ode: Value:</u> 1 Left Main	DataLength:	specified by STS)		
ParentShortName: ParentValue: Harvest Cod	CAB07 = "Yes" les: <u>ode: Value:</u> 1 Left Main 2 Proximal LAD	DataLength:	specified by STS)		
ParentShortName: ParentValue: Harvest Cod	CAB07 = "Yes" les: <u>ode: Value:</u> 1 Left Main 2 Proximal LAD 3 Mid LAD	DataLength:	specified by STS)		

7	Circumflex		
8	OM 1		
9	OM 2		
10	OM 3		
11	RCA		
12	PDA		
13	PLB		
14	AM branches		
15	Ramus		
Long Name: CAB	Highest Percent Stenosis In Native Vessel 07	SeqNo:	3896
Short Name: CAB	PctSten07	Core:	Yes
Section Name: Coron	ary Bypass	Harvest:	Yes
DBTableName Adult	Data		
Definition: Indicate	the highest percentage of stenosis found in the native vessel.		

LowValue: 1	UsualRangeLow:	ACCField: No	t mapped
HighValue: 10	0 UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Na	<i>me:</i> CAB 07	Format: In	teger
ParentShortNan	CAD07	DataLand	
Farenisnorman	ne: CAB0/	DataLength:	

Long Name:CAB Previous Conduit 07Short Name:CABPrevCon07Section Name:Coronary BypassDBTableNameAdultData		SeqNo:3897Core:YesHarvest:Yes
Definition: Indicate presence of coronary ar	tery bypass conduit for this vessel and who	ether or not it is diseased.
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: NQFField:	
	ModelField: PQRIField:	
Parent Long Name: CAB 07	Format: Text (categorical va specified by STS)	alues
ParentShortName: CAB07	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	

Harvest Codes:

Code: Value:

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 07	SeqNo:	3900
Short Name:	CABProximalSite07	Core:	Yes
Section Name	: Coronary Bypass	Harvest:	Yes

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 07	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB07	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Proximal Technique 07			SeqNo:	391
Short Name: CABProxTech07			Core:	Ye
Section Name: Coronary Bypass			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 07	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB07	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 07			SeqNo:	3920
Short Name: CABConduit07			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Ye
DBTableName AdultData				
<i>Definition:</i> Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:			
	ModelField:	PQRIField:		
Parent Long Name: CAB 07	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB07	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 07	SeqNo:	3930
Short Name:	CABDistSite07	Core:	Yes
Section Name.	· Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 07	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB07	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 07			SeqNo:	3940
Short Name: CABDistTech07			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 07	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB07	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 07			SeqNo:	3950
Short Name: CABDistPos07			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 07	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB07	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: CAB Endarterectomy	07		SeqNo:	3960
Short Name: CABEndArt07			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether endart	erectomy was performed.			
LowValue: UsualRangeL	.ow: ACCField:	Not mapped		
HighValue: UsualRangeH	High: ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 07	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB07	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code: Value:</u>				
$\frac{1}{1} $ Yes				
2 No				
<i>Long Name:</i> CAB Hybrid PCI 07			SeqNo:	3970
Short Name: CABHyPCI07			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether hybrid conjunction with this gr	PCI (Percutaneous Coronary aft.	Intervention) procedure w	as performed	in
7 17 1 10 10				
LowValue: UsualRangeL	.ow: ACCField:	Not mapped		
LowValue: UsualRangeL HighValue: UsualRangeF		Not mapped <i>NQFField:</i>		
0				
0	ligh: ReportField:	NQFField:		
HighValue: UsualRangeF	ligh: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values		
HighValue: UsualRangeF Parent Long Name: CAB 07	ligh: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)		
HighValue: UsualRangeF Parent Long Name: CAB 07 ParentShortName: CAB07	ligh: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
HighValue:UsualRangeFParent Long Name:CAB 07ParentShortName:CAB07ParentValue:= "Yes"	ligh: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
HighValue: UsualRangeF Parent Long Name: CAB 07 ParentShortName: CAB07 ParentValue: = "Yes" Harvest Codes:	ligh: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		
HighValue: UsualRangeF Parent Long Name: CAB 07 ParentShortName: CAB07 ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u>	ligh: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)		

STS Adult Cardiac Database			Versic	on: 2.73
Long Name: CAB 08			SeqNo:	3980
Short Name: CAB08			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether a eighth Coron	ary Artery Bypass gra	aft was done.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 07	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB07	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: CAB Native Coronary Diseas	e Location 08		SeqNo:	3985
Long Name: CAB Native Coronary Diseas Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary dise			SeqNo: Core: Harvest:	3985 Yes Yes
Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData		Not mapped	Core:	Yes
Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary dise	ease location.	Not mapped NQFField:	Core:	Yes
Short Name:CABDisLoc08Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary discLowValue:UsualRangeLow:	ease location. ACCField:		Core:	Yes
Short Name:CABDisLoc08Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary discLowValue:UsualRangeLow:	ease location. ACCField: ReportField:	NQFField:	Core:	Yes
Short Name:CABDisLoc08Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ease location. ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values	Core:	Yes
Short Name:CABDisLoc08Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 08	ease location. ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:       CABDisLoc08         Section Name:       Coronary Bypass         DBTableName       AdultData         Definition:       Indicate the native coronary disc         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       CAB 08         ParentShortName:       CAB08	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:CABDisLoc08Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 08ParentShortName:CAB08ParentValue:= "Yes"	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary disc LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CAB 08 ParentShortName: CAB08 ParentValue: = "Yes" Harvest Codes:	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary dise LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CAB 08 ParentShortName: CAB08 ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u>	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary disc LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CAB 08 ParentShortName: CAB08 ParentValue: = "Yes" Harvest Codes: Code: Value: 1 Left Main	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary dise LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CAB 08 ParentShortName: CAB08 ParentValue: = "Yes" Harvest Codes: Code: Value: 1 Left Main 2 Proximal LAD	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc08 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary dise LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CAB 08 ParentShortName: CAB08 ParentValue: = "Yes" Harvest Codes: Code: Value: 1 Left Main 2 Proximal LAD 3 Mid LAD	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes

7	Circumflex		
8	OM 1		
9	OM 2		
10	OM 3		
11	RCA		
12	PDA		
13	PLB		
14	AM branches		
15	Ramus		
Long Name: CAB H	Highest Percent Stenosis In Native Vessel 08	SeqNo:	3986
Short Name: CABP	ctSten08	Core:	Yes
Section Name: Corona	ary Bypass	Harvest:	Yes
DBTableName Adult	Data		
Definition: Indicate	the highest percentage of stenosis found in the native vessel.		

LowValue: 1 UsualRangeLow: ACCField: Not mapped HighValue: 100 ReportField: UsualRangeHigh: NQFField: ModelField: PQRIField: Parent Long Name: CAB 08 Format: Integer ParentShortName: CAB08 DataLength: = "Yes" ParentValue: Data Source: User

Long Name: CAB Previous Conduit 08		<i>SeqNo:</i> 3987
Short Name: CABPrevCon08		Core: Yes
Section Name: Coronary Bypass		Harvest: Yes
DBTableName AdultData		
Definition: Indicate presence of coronary artery	bypass conduit for this vessel and wh	ether or not it is diseased.
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: NQFField:	
	ModelField: PQRIField	:
Parent Long Name: CAB 08	Format: Text (categorical v specified by STS)	alues
ParentShortName: CAB08	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Harvest Codes:		

Code: Value:

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 08	SeqNo:	3990
Short Name:	CABProximalSite08	Core:	Yes
Section Name	: Coronary Bypass	Harvest:	Yes

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 08	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB08	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Version: 2.73	
Long Name: CAB Proximal Technique 08			SeqNo:	4000
Short Name: CABProxTech08			Core:	Ye
Section Name: Coronary Bypass			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 08	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB08	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 08			SeqNo:	4010
Short Name: CABConduit08			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
0 0 0	ModelField:	~ PQRIField:		
Parent Long Name: CAB 08	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB08	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

4 Free IMA

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 08	SeqNo:	4020
Short Name:	CABDistSite08	Core:	Yes
Section Name	Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 08	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB08	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes and Value Definitions:

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 08			SeqNo:	4030
Short Name: CABDistTech08			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 08	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB08	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 08			SeqNo:	4040
Short Name: CABDistPos08			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 08	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB08	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac	Database			Versic	n: 2.73
Long Name: CA	AB Endarterectomy 08			SeqNo:	4050
Short Name: CA	ABEndArt08			Core:	Yes
Section Name: Co	oronary Bypass			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	ate whether endarterectomy	was performed.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: CAB 08	Format:	Text (categorical values specified by STS)		
ParentShortName.	: CAB08	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Coo	des:				
<u>C</u>	ode: Value:				
	1 Yes				
	2 No				
Long Name: CA	AB Hybrid PCI 08			SeqNo:	4060
Short Name: CA	ABHyPCI08			Core:	Yes
Section Name: Co	ronary Bypass			Harvest:	Yes
DBTableName A	dultData				
	ate whether hybrid PCI (Percurction with this graft.	cutaneous Coronary	Intervention) procedure w	as performed	in
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: CAB 08	Format:	Text (categorical values specified by STS)		
ParentShortName.	: CAB08	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Coo	des:				
<u>C</u>	ode: Value:				
	1 No				
	2 Angioplasty				

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB 09			SeqNo:	4070
Short Name: CAB09			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether a ninth Coronar	y Artery Bypass graf	ft was done.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 08	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB08	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
$\frac{1}{1}$ Yes				
2 No				
Long Name: CAB Native Coronary Disease	ELOCATION 09		SeqNo:	4075 Vac
Long Name:CAB Native Coronary DiseaseShort Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disease			SeqNo: Core: Harvest:	4075 Yes Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultData		Not mapped	Core:	Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary disea	ase location.	Not mapped NQFField:	Core:	Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseaLowValue:UsualRangeLow:	ase location. ACCField:	••	Core:	Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseaLowValue:UsualRangeLow:	ase location. ACCField: ReportField:	NQFField:	Core:	Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseaLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ase location. ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values	Core:	Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseaLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 09	ase location. ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseaLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 09ParentShortName:CAB09	ase location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:CABDisLoc09Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseaLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 09ParentShortName:CAB09ParentValue:= "Yes"	ase location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc09   Section Name: Coronary Bypass   DBTableName AdultData   Definition: Indicate the native coronary disea   LowValue: UsualRangeLow:   HighValue: UsualRangeHigh:   Parent Long Name: CAB 09   ParentShortName: CAB09   ParentValue: = "Yes"   Harvest Codes:	ase location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc09   Section Name: Coronary Bypass   DBTableName AdultData   Definition: Indicate the native coronary disea   LowValue: UsualRangeLow:   HighValue: UsualRangeHigh:   Parent Long Name: CAB 09   ParentShortName: CAB09   ParentValue: = "Yes"   Harvest Codes: Code:   Value: Value:	ase location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc09   Section Name: Coronary Bypass   DBTableName AdultData   Definition: Indicate the native coronary disea   LowValue: UsualRangeLow:   HighValue: UsualRangeHigh:   Parent Long Name: CAB 09   ParentShortName: CAB09   ParentValue: = "Yes"   Harvest Codes: Code:   Value: 1   Left Main	ase location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc09   Section Name: Coronary Bypass   DBTableName AdultData   Definition: Indicate the native coronary disea   LowValue: UsualRangeLow:   HighValue: UsualRangeHigh:   Parent Long Name: CAB 09   ParentShortName: CAB09   ParentValue: = "Yes"   Harvest Codes: Code:   Yalue: 1   Left Main 2   Proximal LAD	ase location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc09 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary disea LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CAB 09 ParentShortName: CAB09 ParentValue: = "Yes" Harvest Codes: I Left Main 2 Proximal LAD 3 Mid LAD	ase location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes

7 Circumflex		
8 OM 1		
9 OM 2		
10 OM 3		
11 RCA		
12 PDA		
13 PLB		
14 AM branches		
15 Ramus		
Long Name: CAB Highest Percent Stenosis In Native Vessel 09	SeqNo:	4076
Short Name: CABPctSten09	Core:	Yes
Section Name: Coronary Bypass	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the highest percentage of stenosis found in the native vessel.		
LowValue: 1 UsualRangeLow: ACCField: Not mapped		

LowValue: 1	UsualRangeLow:	ACCFiela:	Not mapped
HighValue: 100	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 09	Format:	Integer
ParentShortName:	CAB09	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Long Name:	CAB Previous Conduit 09			SeqNo:	4077
Short Name:	CABPrevCon09			Core:	Yes
Section Name.	Coronary Bypass		H	arvest:	Yes
DBTableName	e AdultData				
Definition: I	ndicate presence of coronary artery	bypass conduit f	or this vessel and whether or n	ot it is dise	eased.
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long N	lame: CAB 09	Format:	Text (categorical values		

DataLength:

Data Source: User

specified by STS)

ParentShortName: CAB09

= "Yes" ParentValue:

Harvest Codes:

Code: Value:

1 Yes - Diseased

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 09	SeqNo:	4080
Short Name:	CABProximalSite09	Core:	Yes
Section Name	: Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 09	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB09	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

Code: Value:

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Proximal Technique 09			SeqNo:	4090
Short Name: CABProxTech09			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for proximal and	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 09	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB09	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 09			SeqNo:	4100
Short Name: CABConduit09			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 09	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB09	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

4 Free IMA

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 09	SeqNo:	4110
Short Name:	CABDistSite09	Core:	Yes
Section Name.	Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 09	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB09	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes and Value Definitions:

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 09			SeqNo:	4120
Short Name: CABDistTech09			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	stomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 09	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB09	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 09			SeqNo:	4130
Short Name: CABDistPos09			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 09	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB09	DataLength:			
ParentValue: = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: CAB Endarterectomy 09		SeqNo:	4140
Short Name: CABEndArt09		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate whether endartered	omy was performed.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CAB 09	<i>Format:</i> Text (categorical values specified by STS)		
ParentShortName: CAB09	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
<u>Code: Value:</u>			
1 Yes			
2 No			
Long Name: CAB Hybrid PCI 09		SeqNo:	4150
Short Name: CABHyPCI09		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
	(Percutaneous Coronary Intervention) procedure w	vas performed	in
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CAB 09	Format: Text (categorical values specified by STS)		
ParentShortName: CAB09	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
Code: Value:			
1 No			
2 Angioplasty			

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB 10			SeqNo:	4160
Short Name: CAB10			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether a tenth Coronar	ry Artery Bypass grat	ft was done.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 09	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB09	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
1 Yes				
2 No				
Long Name: CAB Native Coronary Disease Short Name: CABDisLoc10	e Location 10		SeqNo: Core:	4165 Yes
-			•	4165 Yes Yes
Short Name: CABDisLoc10 Section Name: Coronary Bypass DBTableName AdultData		Not mapped	Core:	Yes
Short Name: CABDisLoc10 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary dise	ease location.	Not mapped NQFField:	Core:	Yes
Short Name:CABDisLoc10Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:	ease location. ACCField:		Core:	Yes
Short Name:CABDisLoc10Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:	ease location. ACCField: ReportField:	NQFField:	Core:	Yes
Short Name:CABDisLoc10Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ease location. ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values	Core:	Yes
Short Name:CABDisLoc10Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 10	ease location. ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:CABDisLoc10Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 10ParentShortName:CAB10	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:CABDisLoc10Section Name:Coronary BypassDBTableNameAdultDataDefinition:Indicate the native coronary diseLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:CAB 10ParentShortName:CAB10ParentValue:= "Yes"	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:       CABDisLoc10         Section Name:       Coronary Bypass         DBTableName       AdultData         Definition:       Indicate the native coronary dise         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       CAB 10         ParentShortName:       CAB10         ParentValue:       = "Yes"         Harvest Codes:       Harvest Codes:	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:       CABDisLoc10         Section Name:       Coronary Bypass         DBTableName       AdultData         Definition:       Indicate the native coronary dise         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       CAB 10         ParentShortName:       CAB10         ParentValue:       = "Yes"         Harvest Codes:       Code:         Value:       Usulue:	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name:       CABDisLoc10         Section Name:       Coronary Bypass         DBTableName       AdultData         Definition:       Indicate the native coronary dise         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       CAB 10         ParentShortName:       CAB10         ParentValue:       = "Yes"         Harvest Codes:	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc10 Section Name: Coronary Bypass DBTableName AdultData Definition: Indicate the native coronary dise LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: CAB 10 ParentShortName: CAB 10 ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u> 1 Left Main 2 Proximal LAD	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
Short Name: CABDisLoc10   Section Name: Coronary Bypass   DBTableName AdultData   Definition: Indicate the native coronary dise   LowValue: UsualRangeLow:   HighValue: UsualRangeHigh:   Parent Long Name: CAB 10   ParentShortName: CAB10   ParentValue: = "Yes"   Harvest Codes: 1   1 Left Main   2 Proximal LAD   3 Mid LAD	ease location. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes

7	Circumflex		
8	OM 1		
9	OM 2		
10	OM 3		
11	RCA		
12	PDA		
13	PLB		
14	AM branches		
15	Ramus		
Long Name: CAB H	Highest Percent Stenosis In Native Vessel 10	SeqNo:	4166
Short Name: CABP	CtSten10	Core:	Yes
Section Name: Corona	ary Bypass	Harvest:	Yes
DBTableName Adultl	Data		
Definition: Indicate t	the highest percentage of stenosis found in the native vessel.		
LowValue: 1	UsualRangeLow: ACCField: Not mapped		

	U		11
HighValue: 100	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 10	Format:	Integer
ParentShortName:	CAB10	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Long Name: CAB Previous Conduit 10		SeqNo:	4167
Short Name: CABPrevCon10		Core:	Yes
Section Name: Coronary Bypass		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate presence of coronary artery	bypass conduit for this vessel and wheth	er or not it is dise	ased.
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: CAB 10	Format: Text (categorical valu specified by STS)	les	
ParentShortName: CAB10	DataLength:		
ParentValue: = "Yes"	Data Source: User		

Harvest Codes:

Code: Value:

1 Yes - Diseased

- 2 Yes No disease
- 3 No previous conduit

Long Name:	CAB Proximal Site 10	SeqNo:	4170
Short Name:	CABProximalSite10	Core:	Yes
Section Name.	· Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate proximal site of the bypass graft.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 10	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB10	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		

Code: Value:

- 1 In Situ Mammary
- 2 Ascending aorta
- 3 Descending aorta
- 4 Subclavian artery
- 5 Innominate artery
- 6 T-graft off SVG
- 7 T-graft off Radial
- 8 T-graft off LIMA
- 9 T-graft off RIMA

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Proximal Technique 10			SeqNo:	4180
Short Name: CABProxTech10			Core:	Ye
Section Name: Coronary Bypass			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate technique used for proximal a	nastomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Name: CAB 10	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB10	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
5 In Situ Mammary				
1 Running				
2 Interrupted				
3 Anastomotic Device				
4 Anastomotic Assist Device				
Long Name: CAB Conduit 10			SeqNo:	4190
Short Name: CABConduit10			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the conduit type used.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 10	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB10	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Vein graft				
2 In Situ LIMA				
3 In Situ RIMA				

4 Free IMA

5 Radial artery

6 Other arteries, homograft

Long Name:	CAB Distal Site 10	SeqNo:	4200
Short Name:	CABDistSite10	Core:	Yes
Section Name.	Coronary Bypass	Harvest:	Yes

DBTableName AdultData

Definition: Indicate distal insertion site of bypass.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	CAB 10	Format:	Text (categorical values specified by STS)
ParentShortName:	CAB10	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes and Value Definitions:

Code:	Value:	Definition:
1	RCA	Right Coronary Artery
2	AM	Acute Marginal
3	PDA	Posterior Descending Artery
4	PLB	Posterolateral Branch
5	Prox LAD	Proximal Left Anterior Descending
6	Mid LAD	Middle Left Anterior Descending
7	Distal LAD	Distal Left Anterior Descending
8	Diag 1	First Diagonal
9	Diag 2	Second Diagonal
10	Ramus	Ramus Intermedius
11	OM 1	First Obtuse Marginal
12	OM 2	Second Obtuse Marginal
13	OM 3	Third Obtuse Marginal
14	Other	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: CAB Distal Technique 10			SeqNo:	4210
Short Name: CABDistTech10			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate technique used for distal anas	tomosis.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Name: CAB 10	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB10	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	· User		
Harvest Codes:				
Code: Value:				
1 Running				
2 Interrupted				
3 Clips				
4 Anastomotic Device				
Long Name: CAB Distal Position 10			SeqNo:	4220
Short Name: CABDistPos10			Core:	Yes
Section Name: Coronary Bypass			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate anastomotic position.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: CAB 10	Format:	Text (categorical values specified by STS)		
ParentShortName: CAB10	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 End to side				
2 Sequential (side to side)				

STS Adult Cardiac	Database			Versio	n: 2.73
Long Name: CA	AB Endarterectomy 10			SeqNo:	4230
Short Name: CA	ABEndArt10			Core:	Yes
Section Name: Co	ronary Bypass			Harvest:	Yes
DBTableName Ad	dultData				
Definition: Indic	ate whether endarterectomy v	was performed.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: CAB 10	Format:	Text (categorical values specified by STS)		
ParentShortName:	CAB10	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Coc	les:				
<u>Cc</u>	ode: Value:				
	1 Yes				
	2 No				
Long Name: CA	AB Hybrid PCI 10			SeqNo:	4240
-	ABHyPCI10			Core:	Yes
Section Name: Co	•			Harvest:	Yes
DBTableName Ad	dultData				
	ate whether hybrid PCI (Perc inction with this graft.	cutaneous Coronary	Intervention) procedure w	as performed	in
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: CAB 10	Format:	Text (categorical values specified by STS)		
ParentShortName:	CAB10	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Coc	les:				
<u>Cc</u>	ode: Value:				
	1 No				
	2 Angioplasty				

Long Name:	VS-Ao	rtic Proc-Procedure				SeqNo:	4250
Short Name:	OpAor	tic				Core:	No
Section Name:	Valve S	Surgery				Harvest:	No
DBTableName	AdultI	Data					
fc a. b. c. d. e. f. g. h.	No No Replac Repair/ Root R Root R Root R Resusp		nduit t (not a valve c ng placement of A	onduit) .scendii	ng aorta	Select one	of the
LowValue:		UsualRangeLow:	ACCField:	Not m	apped		
HighValue:		UsualRangeHigh:	ReportField:	Yes	NQFField: No		
			ModelField:	No	PQRIField: Yes		
Parent Long No	ame: V	/alve	Format:		(categorical values fied by STS)		
ParentShortNa	me: O	pValve	DataLength:				
ParentValue:	=	"Yes"	Data Source.	User			
Harvest	Codes:						
	Code:	Value:					
	1	No					
	2	Replacement					
	3	Repair/Reconstruction					
	4	Root Reconstruction with Valve Conduit					
	8	Replacement + Aortic Graft Conduit (not a valve conduit					
	5	Root Reconstruction with Valve Sparing					
	9	Resuspension Aortic Valve with Replacement of Ascending aorta					
	10	Resuspension Aortic Valve without Replacement of Ascending aorta					
	7	Resection Sub-Aortic Steno	sis				

STS Adult Cardiac Database

Version: 2.73

STS Adult Cardiac Databas	se					Versio	n: 2.73
Long Name: VS-Mitral	Proc-Procedure					SeqNo:	4260
Short Name: <b>OpMitral</b>						Core:	No
Section Name: Valve Surg	gery					Harvest:	No
DBTableName AdultData	L						
following: a. No b. Annuloplas c. Replaceme d. Reconstruct			t done o	on the Mitral V	/alve.	Select one of	f the
LowValue: Us	ualRangeLow:	ACCField:	Not ma	apped			
HighValue: Us	ualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Name: Valve	e	Format:		categorical va ied by STS)	lues		
ParentShortName: OpVa	lve	DataLength:					
<i>ParentValue:</i> = "Ye	·s"	Data Source:	User				
Harvest Codes:							
Code: Va	lue:						
1 No	)						
2 An	nuloplasty Only						
3 Re	placement						
	construction with nuloplasty						
	construction without nuloplasty						

	atabase			Versio	
Long Name: VS-A	ortic Valve			SeqNo:	427
Short Name: VSA	V			Core:	Ye
Section Name: Valve	e Surgery			Harvest:	Ye
DBTableName Adul	tData				
Definition: Indicate	whether an aortic valve procee	dure was perfor	rmed.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Valve	Format:	Text (categorical values		
			specified by STS)		
ParentShortName: (	OpValve	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Codes	:				
	: Value:				
1					
2	No				
				C N	400
e	Aortic Valve Procedure			SeqNo:	428
Short Name: VSA				Core:	
Section Name: Valve	e Surgery			Core: Harvest:	
Section Name: Valve DBTableName Adul	e Surgery ItData				
Section Name: Valve DBTableName Adul Definition: Indicate	e Surgery	c valve and/or a	scending aorta.		
Section Name: Valve DBTableName Adul	e Surgery ItData	c valve and/or a ACCField:	scending aorta. Not mapped		
Section Name: Valve DBTableName Adul Definition: Indicate	e Surgery ItData e procedure performed on aortic		-		Ye: Ye:
Section Name: Valve DBTableName Adul Definition: Indicate LowValue:	e Surgery hData e procedure performed on aortic UsualRangeLow:	ACCField:	Not mapped		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue:	e Surgery htData e procedure performed on aortic UsualRangeLow: UsualRangeHigh:	ACCField: ReportField:	Not mapped NQFField:		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue:	e Surgery htData e procedure performed on aortic <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VS-Aortic Valve	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName:	e Surgery htData e procedure performed on aortic <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VS-Aortic Valve	ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: V ParentValue:	e Surgery htData e procedure performed on aortic <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VS-Aortic Valve VSAV = "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: V ParentValue: = Harvest Codes	e Surgery htData e procedure performed on aortic <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VS-Aortic Valve VSAV = "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: V ParentValue: = Harvest Codes	e Surgery htData e procedure performed on aortic <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VS-Aortic Valve VSAV = "Yes" :: <u>value:</u>	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: V ParentValue: = Harvest Codes <u>Code</u>	e Surgery htData e procedure performed on aortic UsualRangeLow: UsualRangeHigh: VS-Aortic Valve VSAV = "Yes" :: <u>yes</u> <u>Value:</u> Replacement	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: V ParentValue: = Harvest Codes <u>Code</u> 1	e Surgery htData e procedure performed on aortic <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VS-Aortic Valve VSAV = "Yes" :: <u>:</u> <u>Value:</u> Replacement Repair / Reconstruction	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Valve DBTableName Adul Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: V ParentValue: = Harvest Codes <u>Code</u> 1 2	e Surgery htData e procedure performed on aortic <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VS-Aortic Valve VSAV = "Yes" :: <u>Value:</u> Replacement Repair / Reconstruction Root Reconstruction with valved conduit	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		

replacement of ascending aorta

- 6 Resuspension AV with replacement of ascending aorta
- 7 Apico-aortic conduit (Aortic valve bypass)
- 8 Autograft with pulmonary valve- Ross procedure
- 9 Homograft
- 10 Valve sparing root reimplantation (David)
- 11 Valve sparing root remodeling (Yacoub)

Long Name:VS-Aortic Valve Repair - CommissiShort Name:VSAVRComASection Name:Valve SurgeryDBTableNameAdultDataDefinition:Indicate whether the aortic valve repair		SeqNo: 4282 Core: Yes Harvest: Yes
LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       VS-Aortic Valve Procedure	ACCField:Not mappedReportField:NQFField:ModelField:PQRIField:Format:Text (categorical valspecified by STS)	
ParentShortName: VSAVPr ParentValue: = "Repair / Reconstruction" Harvest Codes: <u>Code: Value:</u>	DataLength: Data Source: User	

1 Yes 2 No

STS Adult Cardiac Da	tabase			Versio	on: 2.73
Long Name: VS-A	ortic Valve Repair - Ring Ani	nuloplasty		SeqNo:	428
Short Name: VSA	VRRingA			Core:	Ye
Section Name: Valve	Surgery			Harvest:	Ye
DBTableName Adul	tData				
Definition: Indicate	whether the aortic valve repair	ir procedure inc	luded a ring annuloplasty.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	VS-Aortic Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	VSAVPr	DataLength:			
ParentValue:	= "Repair / Reconstruction"	Data Source:	User		
Harvest Codes	:				
Code	: Value:				
1	Yes				
2	No				
Long Name: VS-A	ortic Valve Repair - Leaflet P	lication		SeqNo:	4284
0	VRLPlic			Core:	Ye
Section Name: Valve				Harvest:	Ye
DBTableName Adul	tData				
Definition: Indicate	whether the aortic valve repair	ir procedure inc	luded leaflet plication.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	VS-Aortic Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	VSAVPr	DataLength:			
ParentValue:	= "Repair / Reconstruction"	Data Source:	User		
Harvest Codes	:				
Code	: <u>Value:</u>				
1	Yes				
2	No				

STS Adult Cardiac	Database			Versio	n: 2.73
Long Name: VS	S-Aortic Valve Repair - Leaflet R	esection		SeqNo:	4285
Short Name: VS	SAVRLResect			Core:	Yes
Section Name: Va	lve Surgery			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	ate whether the aortic valve repa	ir procedure inc	luded leaflet resection.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: VS-Aortic Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	· VSAVPr	DataLength:			
ParentValue:	= "Repair / Reconstruction"	Data Source:	User		
Harvest Coo	les:				
	ode: Value:				
<u>Cc</u>					
<u>Co</u>	1 Yes				
<u>Cc</u>					
	1 Yes 2 No	ree Edge Reinfo	prcement (PTFE) Suture	SeaNo:	4286
Long Name: VS	1 Yes 2 No S-Aortic Valve Repair - Leaflet F	ree Edge Reinfo	orcement (PTFE) Suture	SeqNo: Core:	
Long Name: VS	1 Yes 2 No 5-Aortic Valve Repair - Leaflet F SAVRPTFE	ree Edge Reinfo	orcement (PTFE) Suture	SeqNo: Core: Harvest:	Yes
Long Name: VS Short Name: VS	1 Yes 2 No 3-Aortic Valve Repair - Leaflet F SAVRPTFE Ive Surgery	ree Edge Reinfo	prcement (PTFE) Suture	Core:	Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad	1       Yes         2       No         3-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repair	-		Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic	1       Yes         2       No         3-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repair	-		Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic sutur	1       Yes         2       No         S-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repare.	ir procedure inc	luded leaflet free edge rein	Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic sutur LowValue:	1       Yes         2       No         S-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repaire.         UsualRangeLow:	ir procedure inc ACCField:	luded leaflet free edge rein Not mapped	Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic sutur LowValue: HighValue:	1       Yes         2       No         S-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repaire.         UsualRangeLow:	ir procedure inc ACCField: ReportField:	luded leaflet free edge rein Not mapped <i>NQFField:</i>	Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic sutur LowValue: HighValue:	1       Yes         2       No         S-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repate         UsualRangeLow:         UsualRangeHigh:         e:         VS-Aortic Valve Procedure	ir procedure inc ACCField: ReportField: ModelField:	luded leaflet free edge rein Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic Sutur LowValue: HighValue: Parent Long Name	1       Yes         2       No         S-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repate         UsualRangeLow:         UsualRangeHigh:         e:         VS-Aortic Valve Procedure	ir procedure inc ACCField: ReportField: ModelField: Format:	luded leaflet free edge rein Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	4286 Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic sutur LowValue: HighValue: Parent Long Name ParentShortName:	1       Yes         2       No         3-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repaire.         UsualRangeLow:         UsualRangeHigh:         e:         VS-Aortic Valve Procedure         · <t< td=""><td>ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:</td><td>luded leaflet free edge rein Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)</td><td>Core: Harvest:</td><td>Yes Yes</td></t<>	ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:	luded leaflet free edge rein Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic sutur LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coo	1       Yes         2       No         3-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repaire.         UsualRangeLow:         UsualRangeHigh:         e:         VS-Aortic Valve Procedure         · <t< td=""><td>ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:</td><td>luded leaflet free edge rein Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)</td><td>Core: Harvest:</td><td>Yes Yes</td></t<>	ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:	luded leaflet free edge rein Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes
Long Name: VS Short Name: VS Section Name: Va DBTableName Ad Definition: Indic sutur LowValue: HighValue: Parent Long Name ParentShortName: ParentValue: Harvest Coo	1       Yes         2       No         S-Aortic Valve Repair - Leaflet F         SAVRPTFE         Ive Surgery         dultData         ate whether the aortic valve repare         UsualRangeLow:         UsualRangeHigh:         e:         VS-Aortic Valve Procedure         · VSAVPr         = "Repair / Reconstruction"         des:	ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:	luded leaflet free edge rein Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes

Long Name: VS-Aortic Valve Repair - Leaflet H	Pericardial Patch		SeqNo:	4287
Short Name: VSAVRLPPatch			Core:	Ye
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData			1101 VCS1.	10
<i>Definition:</i> Indicate whether the aortic valve repa	ir procedure inc	luded leaflet pericardial pa	itch	
-	ACCField:			
LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ReportField:	Not mapped NQFField:		
ingnvalue. Osuaikangeringn.	ModelField:	PQRIField:		
Parent Long Name: VS-Aortic Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: VSAVPr	DataLength:			
<i>ParentValue:</i> = "Repair / Reconstruction"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: VS-Aortic Valve Repair - Leaflet C	Commissural Res	suspension Suture	SeqNo:	4288
Short Name: VSAVRComRS		1	Core:	Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
	ir procedure inc	luded leaflet commissural	resuspension	suture.
Definition: Indicate whether the aortic valve repa	hir procedure inc. ACCField:	luded leaflet commissural Not mapped	resuspension	suture.
Definition:Indicate whether the aortic valve repairLowValue:UsualRangeLow:	-		resuspension	suture.
Definition:Indicate whether the aortic valve repairLowValue:UsualRangeLow:	ACCField:	Not mapped	resuspension	suture.
LowValue: UsualRangeLow:	ACCField: ReportField:	Not mapped NQFField:	resuspension	suture.
Definition:Indicate whether the aortic valve repairLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VS-Aortic Valve Procedure	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	resuspension	suture.
Definition:Indicate whether the aortic valve repairLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VS-Aortic Valve Procedure	ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	resuspension	suture.
Definition:Indicate whether the aortic valve reparationLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VS-Aortic Valve ProcedureParentShortName:VSAVPr	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	resuspension	suture.
Definition:Indicate whether the aortic valve repardLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VS-Aortic Valve ProcedureParentShortName:VSAVPrParentValue:= "Repair / Reconstruction"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	resuspension	suture.
Definition:       Indicate whether the aortic valve repainded by the second secon	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	resuspension	suture.

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: VS-Aortic Valve Repair - Leaf	let Debridement	SeqNo:	428
Short Name: VSAVRDeb		Core:	Ye
Section Name: Valve Surgery		Harvest:	Ye
DBTableName AdultData			
Definition: Indicate whether the aortic value	repair procedure included leaflet debridem	ent.	
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: VS-Aortic Valve Procedu	re Format: Text (categorical val specified by STS)	ues	
ParentShortName: VSAVPr	DataLength:		
<i>ParentValue:</i> = "Repair / Reconstruction	" Data Source: User		
Harvest Codes:			
<u>Code:</u> <u>Value:</u>			
1 Yes			
2 No			
	ion of Frend Looflet Deebe	C N	4200
Long Name: VS-Aortic Valve Repair - Divis Short Name: VSAVRRaphe	sion of rused Learnet Raphe	SeqNo: Core:	4290 Yes
Short Name: VSAVRRaphe Section Name: Valve Surgery		Harvest:	Yes
DBTableName AdultData		110/ /05/.	10
<i>Definition:</i> Indicate whether the aortic value	repair procedure included division of fuse	l leaflet ranhe	
LowValue: UsualRangeLow:	ACCField: Not mapped	r learner raphe.	
HighValue: UsualRangeHigh:	ReportField: NQFField:		
Ingnvalue. UsuaiKangeringn.	ModelField: NQFField:		
Parent Long Name: VS-Aortic Valve Procedu	~	ues	
ParentShortName: VSAVPr	DataLength:		
<i>ParentValue:</i> = "Repair / Reconstruction	, i i i i i i i i i i i i i i i i i i i		
Harvest Codes:			
<u>Code:</u> <u>Value:</u> 1 Yes			

STS Adult Cardiac Database			Versic	n: 2.73
Long Name: VS-Transcatheter Valve Repla	cement		SeqNo:	4295
Short Name: VSTCV			Core:	Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the aortic valve	repair procedure inc	luded placement of a trans	catheter valve	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VS-Aortic Valve	Format:	Text (categorical values specified by STS)		
ParentShortName: VSAV	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	· User		
Harvest Codes:				
Code: Value:				
1 Yes				
1 Tes				
2 No				
	cement Approach		SeqNo:	4300
2 No	cement Approach		SeqNo: Core:	4300 Yes
2 No Long Name: VS-Transcatheter Valve Repla	cement Approach		•	
2 No Long Name: VS-Transcatheter Valve Repla Short Name: VSTCVR	cement Approach		Core:	Yes
2 No Long Name: VS-Transcatheter Valve Repla Short Name: VSTCVR Section Name: Valve Surgery			Core:	Yes
2 No Long Name: VS-Transcatheter Valve Replan Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData		Not mapped	Core:	Yes
2 No Long Name: VS-Transcatheter Valve Replan Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData Definition: Indicate transcatheter valve replan	cement approach.	Not mapped NQFField:	Core:	Yes
2 No Long Name: VS-Transcatheter Valve Repla Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData Definition: Indicate transcatheter valve repla LowValue: UsualRangeLow:	cement approach. ACCField:		Core:	Yes
2 No Long Name: VS-Transcatheter Valve Repla Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData Definition: Indicate transcatheter valve repla LowValue: UsualRangeLow:	cement approach. ACCField: ReportField:	NQFField:	Core:	Yes
2 No Long Name: VS-Transcatheter Valve Replan Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData Definition: Indicate transcatheter valve replan LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Transcatheter Valve	cement approach. ACCField: ReportField: ModelField:	NQFField: PQRIField: Text (categorical values	Core:	Yes
2NoLong Name:VS-Transcatheter Valve ReplaceShort Name:VSTCVRSection Name:Valve SurgeryDBTableNameAdultDataDefinition:Indicate transcatheter valve replaceLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VS-Transcatheter Valve Replacement	cement approach. ACCField: ReportField: ModelField: Format:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
2 No Long Name: VS-Transcatheter Valve Repla Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData Definition: Indicate transcatheter valve repla LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Transcatheter Valve Replacement ParentShortName: VSTCV	cement approach. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
2 No Long Name: VS-Transcatheter Valve Replace Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData Definition: Indicate transcatheter valve replace LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Transcatheter Valve Replacement ParentShortName: VSTCV ParentValue: = "Yes"	cement approach. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
2NoLong Name:VS-Transcatheter Valve ReplaceShort Name:VSTCVRSection Name:Valve SurgeryDBTableNameAdultDataDefinition:Indicate transcatheter valve replaceLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:VS-Transcatheter ValveParentShortName:VSTCVParentValue:= "Yes"Harvest Codes:	cement approach. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes
2 No Long Name: VS-Transcatheter Valve Replace Short Name: VSTCVR Section Name: Valve Surgery DBTableName AdultData Definition: Indicate transcatheter valve replace LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Transcatheter Valve Replacement ParentShortName: VSTCV ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u>	cement approach. ACCField: ReportField: ModelField: Format: DataLength:	NQFField: PQRIField: Text (categorical values specified by STS)	Core:	Yes

STS Adult Cardiac	Database				Versi	on: 2.73
Long Name: VS	S-Aortic Proc-Aortic Annular	Enlargement			SeqNo:	4310
Short Name: A	nlrEnl				Core:	Yes
Section Name: Va	alve Surgery				Harvest:	Yes
DBTableName A	dultData					
annu	cate whether an annular enlarge lar enlargement is defined as in ular enlargement techniques, ir	ncision of the aorti	c annul	lus to enlarge t	the aortic orifice.	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No	
		ModelField:	No	PQRIField:	Yes	
Parent Long Nam	e: VS-Aortic Valve	Format:		(categorical va fied by STS)	llues	
ParentShortName	: VSAV	DataLength:				
ParentValue:	= "Yes"	Data Source:	User			
Harvest Co	des					
	ode: Value:					
<u> </u>	1 Yes					
	2 No					
Long Name: VS	S-Resection of Sub-Aortic Ster	nosis			SeqNo:	4311
0	esectSubA				Core:	Yes
Section Name: Va	alve Surgery				Harvest:	Yes
DBTableName A	dultData					
	cate whether resection of sub-a e procedure.	ortic tissue was pe	rforme	d alone or in co	onjunction with an	aortic
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:		NQFField:		
		ModelField:		PQRIField:		
Parent Long Nam	e: VS-Aortic Valve	Format:		(categorical va fied by STS)	lues	
ParentShortName	: VSAV	DataLength:				
ParentValue:	= "Yes"	Data Source:	User			
Harvest Co	des:					
<u>C</u>	ode: Value:					
	1 Yes					
	2 No					

STS Adult Cardiac Database

Long Name: VS-A	ortic Proc-Imp-Type					SeqNo:	4320
Short Name: VSAc	oImTy					Core:	No
Section Name: Valve	Surgery					Harvest:	No
DBTableName Adult	Data						
None M = Me B = Biop H = Hor A = Aut R = Ring	prosthesis	ıe:					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Name:	VS-Aortic Proc-Procedure	Format:		(categorical va Fied by STS)	lues		
ParentShortName: 0	DpAortic	DataLength:					
ParentValue: <	"No" And Is Not Missing	Data Source:	User				
Harvest Codes:							
Code	<u>Value:</u>						
1	None						
2	Mechanical						
3	Bioprosthesis						
4	Homograft						
5	Autograft (Ross)						
6	Ring/Annuloplasty						
7	Band/Annuloplasty						

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: VS-Aortic Proc-Imp					SeqNo:	4330
Short Name: VSAoIm					Core:	Yes
Section Name: Valve Surgery					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate the name of the prosthesis i model number with "xx" substituting			ovided include	e the	manufacturer	s
LowValue: UsualRangeLow:	ACCField:	Not ma	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	Yes		
Parent Long Name: VS-Aortic Valve	Format:		(categorical va ied by STS)	lues		
ParentShortName: VSAV	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Long Name: VS-Aortic Proc-Imp-Size					SeqNo:	4340
Short Name: VSAoImSz					Core:	Yes
					Harvest:	Yes
Section Name: Valve Surgerv						
Section Name: Valve Surgery DBTableName AdultData						
DBTableName AdultData						
DBTableName AdultData Definition: Indicate the Aortic implant size.	ACCField	Not m	apped			
DBTableNameAdultDataDefinition:Indicate the Aortic implant size.LowValue:5UsualRangeLow:10	ACCField: ReportField:	Not ma		No		
DBTableName AdultData Definition: Indicate the Aortic implant size.	ACCField: ReportField: ModelField:	No	apped NQFField: PQRIField:			
DBTableNameAdultDataDefinition:Indicate the Aortic implant size.LowValue:5UsualRangeLow:10	ReportField:	No No	NQFField: PQRIField:			
DBTableNameAdultDataDefinition:Indicate the Aortic implant size.LowValue:5UsualRangeLow:10HighValue:50UsualRangeHigh:40	ReportField: ModelField:	No	NQFField: PQRIField:			

STS Adult Cardiac Database		Versio	n: 2.73
Long Name: VS-Mitral Valve		SeqNo:	4351
Short Name: VSMV		Core:	Yes
Section Name: Valve Surgery		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate whether a mitral valve pro-	ocedure was performed.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Valve	Format: Text (categorical va specified by STS)	lues	
ParentShortName: OpValve	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
Code: Value:			
$\frac{1}{1}$ Yes			
2 No			
Long Name: VS-Mitral Valve Procedure		SeqNo:	4352
Short Name: VSMVPr		Core:	Yes
Section Name: Valve Surgery		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate the type of procedure that	was performed on the mitral valve.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: VS-Mitral Valve	Format: Text (categorical va specified by STS)	lues	
ParentShortName: VSMV	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
Code: Value:			
1 Repair			
2 Replacement			

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: VS-Mitral Valve Repair - Annuloph	lasty		SeqNo:	4361
Short Name: VSMitRAnnulo			Core:	Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the mitral valve repa	ir procedure inc	luded an annuloplasty.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VS-Mitral Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: VSMVPr	DataLength:			
ParentValue: = "Repair"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
1 Yes				
2 No				
Long Name: VS-Mitral Valve Repair - Leaflet R	esection		SeqNo:	4362
Short Name: VSMitRLeafRes			Core:	Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the mitral valve repa	ir procedure inc	luded a leaflet resection.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VS-Mitral Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: VSMVPr	DataLength:			
ParentValue: = "Repair"	Data Source:	User		
Harvest Codes:				
Code: Value:				
$\frac{1}{1}$ Yes				
2 No				

STS Adult Cardiac Database		Version: 2.73
Long Name: VS-Mitral Leaflet Resection Type		SeqNo: 4380
Short Name: VSLeafResTyp		Core: Ye
Section Name: Valve Surgery		Harvest: Ye
DBTableName AdultData		
Definition: Indicate the type of leaflet resection.		
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: NQFField	:
	ModelField: PQRIField	<i>l:</i>
Parent Long Name: VS-Mitral Valve Repair - Leaflet Resection	Format: Text (categorical specified by STS)	
ParentShortName: VSMitRLeafRes	DataLength:	
ParentValue: = "Yes"	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Triangular		
2 Quadrangular		
3 Other		
Long Name: VS-Mitral Repair Location		SeqNo: 4390
Short Name: VSLeafRepLoc		Core: Ye
Section Name: Valve Surgery		Harvest: Ye
DBTableName AdultData		
Definition: Indicate whether the repair involved	he anterior, posterior, or both leafle	ts.
Commissural closure stitches do not	nake a bileaflet repair.	
A commissurotomy IS a bileaflet repa	air.	
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: NQFField	:
	ModelField: PQRIField	<i>l:</i>
Parent Long Name: VS-Mitral Valve Repair - Leaflet Resection	Format: Text (categorical specified by STS)	
ParentShortName: VSMitRLeafRes	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Anterior		

3 Both Anterior and Posterior

Long Name: VS-Mitral Valve Rep	air - Sliding Plasty			SeqNo:	4391
Short Name: VSMitRSlidP				Core:	Yes
Section Name: Valve Surgery				Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether the mi	tral valve repair pro	ocedure inc	luded a sliding plasty.		
LowValue: UsualRangel	Low: AC	CCField:	Not mapped		
HighValue: UsualRangel	High: Re	portField:	NQFField:		
	Ma	odelField:	PQRIField:		
Parent Long Name: VS-Mitral Valv	e Procedure Fo	ormat:	Text (categorical values specified by STS)		
ParentShortName: VSMVPr	Da	ataLength:			
<i>ParentValue:</i> = "Repair"	Da	ata Source:	User		
Harvest Codes:					
Code: Value:					
1 Yes					
2 No					
Long Name: VS-Mitral Valve Rep	air - Annular Decal	lcification		SeqNo:	4393
Short Name: VSMitRADecalc				Core:	Yes
Section Name: Valve Surgery				Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether the mi	tral valve repair pro	ocedure inc	luded an annular decalcific	cation.	
LowValue: UsualRangel	Low: AC	CCField:	Not mapped		
HighValue: UsualRangel	High: Re	portField:	NQFField:		
	Ma	odelField:	PQRIField:		
Parent Long Name: VS-Mitral Value	ve Procedure Fo	ormat:	Text (categorical values specified by STS)		
ParentShortName: VSMVPr	Da	ataLength:			
<i>ParentValue:</i> = "Repair"	Da	ata Source:	User		
Harvest Codes:					
Harvest Codes: <u>Code:</u> <u>Value:</u>					

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: VS-Mitral Valve Repair - Neochor	rds (PTFE)		SeqNo:	4394
Short Name: VSMitRPTFE			Core:	Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the mitral valve rep	air procedure inc	cluded neochords (PTFE).		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VS-Mitral Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: VSMVPr	DataLength:			
ParentValue: = "Repair"	Data Source.	User		
Harvest Codes:				
Harvest Codes: Code: Value:				
Harvest Codes: <u>Code:</u> Value: 1 Yes				
Code: Value:				
Code:Value:1Yes2No			SeqNo:	4400
Code:       Value:         1       Yes         2       No			SeqNo: Core:	4400 Yes
Code:       Value:         1       Yes         2       No    Long Name: VS-Mitral Neochord Number Short Name: VSNeoChNum			•	Yes
Code:Value:1Yes2NoLong Name:VS-Mitral Neochord NumberShort Name:VSNeoChNumSection Name:Valve Surgery			Core:	
Code:Value:1Yes2NoLong Name:VS-Mitral Neochord NumberShort Name:VSNeoChNumSection Name:Valve SurgeryDBTableNameAdultData	serted - 1 neocho	rd is created from 1 double	Core: Harvest:	Yes
Code:       Value:         1       Yes         2       No    Long Name: VS-Mitral Neochord Number Short Name: VSNeoChNum Section Name: Valve Surgery DBTableName AdultData Definition: Indicate the number of neochords instance	serted - 1 neocho ACCField:	rd is created from 1 double Not mapped	Core: Harvest:	Yes
Code:       Value:         1       Yes         2       No         Long Name:       VS-Mitral Neochord Number         Short Name:       VSNeoChNum         Section Name:       Valve Surgery         DBTableName       AdultData         Definition:       Indicate the number of neochords instance         LowValue:       1       UsualRangeLow:			Core: Harvest:	Yes
Code:       Value:         1       Yes         2       No         Long Name:       VS-Mitral Neochord Number         Short Name:       VSNeoChNum         Section Name:       Valve Surgery         DBTableName       AdultData         Definition:       Indicate the number of neochords instance         LowValue:       1       UsualRangeLow:	ACCField:	Not mapped	Core: Harvest:	Yes
Code:Value:1Yes2NoLong Name:VS-Mitral Neochord NumberShort Name:VSNeoChNumSection Name:Valve SurgeryDBTableNameAdultDataDefinition:Indicate the number of neochords insLowValue:1UsualRangeLow:HighValue:4UsualRangeHigh:	ACCField: ReportField:	Not mapped NQFField:	Core: Harvest:	Yes
Code:       Value:         1       Yes         2       No         Long Name:       VS-Mitral Neochord Number         Short Name:       VSNeoChNum         Section Name:       Valve Surgery         DBTableName       AdultData         Definition:       Indicate the number of neochords inst         LowValue:       1       UsualRangeLow:         HighValue:       4       UsualRangeHigh:	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i>	Core: Harvest:	Yes

Long Name: VS-Mi	tral Valve Repair - Chordal /	Leaflet Transfe	r	SeqNo:	440
-	RChord			Core:	Ye
Section Name: Valve S				Harvest:	Ye
DBTableName AdultI	Data				
Definition: Indicate v	whether the mitral valve repar	ir procedure inc	luded a chordal / leaflet tra	ansfer.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: V	/S-Mitral Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: V	SMVPr	DataLength:			
ParentValue: =	"Repair"	Data Source:	User		
Harvest Codes:					
	Value:				
1	Yes				
2	No				
-	tral Valve Repair - Leaflet E	xtension / Repla	acement / Patch	SeqNo:	4402
Short Name: VSMit	RLeafERP	xtension / Repla	cement / Patch	Core:	Ye
Short Name: VSMit Section Name: Valve S	RLeafERP Surgery	xtension / Repla	cement / Patch	•	Ye
Short Name: VSMit Section Name: Valve S DBTableName AdultI	E <b>RLeafERP</b> Surgery Data	-		Core: Harvest:	Ye: Ye:
Short Name: VSMit Section Name: Valve S DBTableName AdultI	RLeafERP Surgery	-		Core: Harvest:	Ye: Ye:
Short Name: VSMit Section Name: Valve S DBTableName Adult Definition: Indicate v	E <b>RLeafERP</b> Surgery Data	-		Core: Harvest:	Ye: Ye:
Short Name: <b>VSMit</b> Section Name: Valve S DBTableName AdultI Definition: Indicate w LowValue:	<b>RLeafERP</b> Surgery Data whether the mitral valve repa	ir procedure inc ACCField: ReportField:	luded a leaflet extension / Not mapped <i>NQFField:</i>	Core: Harvest:	Ye: Ye:
Short Name: VSMit Section Name: Valve S DBTableName AdultI	RLeafERP Surgery Data whether the mitral valve repa <i>UsualRangeLow:</i>	ir procedure inc ACCField:	luded a leaflet extension / Not mapped	Core: Harvest:	Ye: Ye:
Short Name: <b>VSMit</b> Section Name: Valve S DBTableName AdultI Definition: Indicate v LowValue: HighValue:	RLeafERP Surgery Data whether the mitral valve repa <i>UsualRangeLow:</i>	ir procedure inc ACCField: ReportField:	luded a leaflet extension / Not mapped <i>NQFField:</i>	Core: Harvest:	Ye. Ye
Short Name: <b>VSMit</b> Section Name: Valve S DBTableName Adult Definition: Indicate v LowValue: HighValue: Parent Long Name: W	<b>RLeafERP</b> Surgery Data whether the mitral valve repar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	ir procedure inc ACCField: ReportField: ModelField:	luded a leaflet extension / Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Core: Harvest:	Ye Ye
Short Name: <b>VSMit</b> Section Name: Valve S DBTableName AdultI Definition: Indicate w LowValue: HighValue: Parent Long Name: W ParentShortName: V	RLeafERP Surgery Data whether the mitral valve repar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> /S-Mitral Valve Procedure	ir procedure inc ACCField: ReportField: ModelField: Format:	luded a leaflet extension / Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Ye. Ye
Short Name: <b>VSMit</b> Section Name: Valve S DBTableName AdultI Definition: Indicate w LowValue: HighValue: Parent Long Name: W ParentShortName: V	RLeafERP Surgery Data whether the mitral valve repar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> /S-Mitral Valve Procedure SMVPr	ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:	luded a leaflet extension / Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Ye. Ye
Short Name: VSMit Section Name: Valve S DBTableName AdultI Definition: Indicate w LowValue: HighValue: Parent Long Name: W ParentShortName: W ParentValue: = Harvest Codes:	RLeafERP Surgery Data whether the mitral valve repar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> /S-Mitral Valve Procedure SMVPr	ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:	luded a leaflet extension / Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Ye Ye
Short Name: VSMit Section Name: Valve S DBTableName AdultI Definition: Indicate w LowValue: HighValue: Parent Long Name: W ParentShortName: W ParentValue: = Harvest Codes:	RLeafERP Surgery Data whether the mitral valve repar <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> /S-Mitral Valve Procedure SMVPr "Repair"	ir procedure inc ACCField: ReportField: ModelField: Format: DataLength:	luded a leaflet extension / Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Ye. Ye

			Versio	on: 2.73
Long Name: VS-Mitral Valve Repair - Edge T	o Edge Repair		SeqNo:	440.
Short Name: VSMitREdge			Core:	Ye
Section Name: Valve Surgery			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether the mitral valve rep	pair procedure inc	luded an edge to edge repa	air.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VS-Mitral Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: VSMVPr	DataLength:			
ParentValue: = "Repair"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
1 Yes				
2 No				
Long Name: VS-Mitral Valve Repair - Mitral O	Commissurotomy		SeqNo:	4404
Short Name: VSMitRMitComm			Core:	Yes
			Core: Harvest:	
Section Name: Valve Surgery				
Section Name: Valve Surgery DBTableName AdultData	pair procedure inc	luded a mitral commissure	Harvest:	Yes Yes
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep	pair procedure inc ACCField:	luded a mitral commissurc	Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep			Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep LowValue: UsualRangeLow:	ACCField:	Not mapped	Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep LowValue: UsualRangeLow:	ACCField: ReportField: ModelField:	Not mapped NQFField:	Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Mitral Valve Procedure	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rej LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Mitral Valve Procedure ParentShortName: VSMVPr	ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Mitral Valve Procedure ParentShortName: VSMVPr	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Mitral Valve Procedure ParentShortName: VSMVPr ParentValue: = "Repair"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Harvest:	
Section Name: Valve Surgery DBTableName AdultData Definition: Indicate whether the mitral valve rep LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: VS-Mitral Valve Procedure ParentShortName: VSMVPr ParentValue: = "Repair" Harvest Codes:	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Harvest:	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: VS-Mitral Repair Attempt			SeqNo:	4410
Short Name: MitralIntent			Core:	Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether a Mitral Valve Repair	r was attempted	l prior to the Mitral Valve	Replacement.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: VS-Mitral Valve Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName: VSMVPr	DataLength:			
<i>ParentValue:</i> = "Replacement"	Data Source:	User		
Harvest Codes:				
<u>Code: Value:</u>				
1 Yes				
2 No				
				_
Long Name: VS-Mitral Proc-Imp-Type			SeqNo:	4420
Short Name: VSMiImTy			Core:	No
Section Name: Valve Surgery			Harvest:	No
DBTableName AdultData				
Definition: Indicate the type of implant; choose or None M = Mechanical B = Bioprosthesis H = Homograft A = Autograft (Ross) R = Ring/Annuloplasty BA = Band/Annuloplasty	10:			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
0	neer teta.	110t mapped		
HighValue: UsualRangeHigh:	ReportField:	**		
		Yes NQFField: No		
	ReportField:	Yes NQFField: No		
HighValue: UsualRangeHigh:	ReportField: ModelField:	Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values		
HighValue:UsualRangeHigh:Parent Long Name:VS-Mitral Proc-Procedure	ReportField: ModelField: Format:	Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values specified by STS)		
HighValue:UsualRangeHigh:Parent Long Name:VS-Mitral Proc-ProcedureParentShortName:OpMitral	ReportField: ModelField: Format: DataLength:	Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values specified by STS)		
HighValue:UsualRangeHigh:Parent Long Name:VS-Mitral Proc-ProcedureParentShortName:OpMitralParentValue:<> "No" And Is Not Missing	ReportField: ModelField: Format: DataLength:	Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Text (categorical values specified by STS)		

	2 Mechanical		
	3 Bioprosthesis		
	4 Homograft		
	5 Autograft (Ross)		
	6 Ring/Annuloplasty		
	7 Band/Annuloplasty		
Long Name:	VS-Mitral Proc-Imp	SeqNo:	4430
Short Name:	VSMiIm	Core:	Yes
Section Name:	· Valve Surgery	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the name of the prosthesis implanted. The names provided include the manufacturer's model number with "xx" substituting for the device size.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name: N	VS-Mitral Valve	Format:	Text (categorical values specified by STS)
ParentShortName: V	<b>VSMV</b>	DataLength:	
ParentValue: =	"Yes"	Data Source:	User

Long Name: VS-	Mitral Proc-Imp-Size					SeqNo:	4440
Short Name: VSN	/liImSz					Core:	Yes
Section Name: Valv	e Surgery					Harvest:	Yes
DBTableName Adu	ıltData						
Definition: Indicat	e the Mitral implant size.						
LowValue: 5	UsualRangeLow: 10	ACCField:	Not n	napped			
HighValue: 50	UsualRangeHigh: 40	<b>ReportField</b> .	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VS-Mitral Valve	Format:	Integ	er			
ParentShortName:	VSMV	DataLength.					

Data Source: User

*ParentValue:* = "Yes"

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: VS-Mitral Chordal Preservation			SeqNo:	4450
Short Name: VSChorPres			Core:	Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether native chords were	preserved.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: VS-Mitral Valve	Format:	Text (categorical values specified by STS)		
ParentShortName: VSMV	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
$\frac{1}{1}$ None				
2 Anterior				
3 Posterior				
4 Both				
Long Name: VS-Tricuspid Proc-Procedure			SeqNo:	4500
Short Name: OpTricus			Core:	4300 Yes
Section Name: Valve Surgery			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether a surgical procedur	e was done or no	t done on the Tricuspid Va	alve.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:			
	ModelField:			
Parent Long Name: Valve	Format:	Text (categorical values specified by STS)		
ParentShortName: OpValve	DataLength:	T to the J to the		
ParentValue: = "Yes"	Data Source:	User		
ParentValue: = "Yes"	-	User		
ParentValue: = "Yes" Harvest Codes:	-	User		
ParentValue: = "Yes" Harvest Codes: <u>Code:</u> <u>Value:</u>	-	User		
ParentValue: = "Yes" Harvest Codes: <u>Code:</u> <u>Value:</u> 1 No	-	User		
ParentValue: = "Yes" Harvest Codes: <u>Code:</u> <u>Value:</u>	-	User		

	Annuloplasty				
4	5 Reconstruction without Annuloplasty				
e	5 Valvectomy				
Long Name: VS-7	Fricuspid Annuloplasty Type			SeqNo:	4510
Short Name: OpT	ricusAnTy			Core:	Yes
Section Name: Valv	e Surgery			Harvest:	Yes
DBTableName Adu	ltData				
Definition: Indicate	e type of annuloplasty procedu	re.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	VS-Tricuspid Proc- Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	OpTricus	DataLength:			
	= "Annuloplasty Only" or "Reconstruction with Annuloplasty"	Data Source:	User		
Harvest Code	s:				
Cod	e: <u>Value:</u>				
1	l Pericardium				
	2 Suture				
	3 Prosthetic ring				

STS Adult Cardiac Database

Long Name: VS-	Tricuspid Proc-Imp-Type					SeqNo:	4530
Short Name: VST	ſrImTy					Core:	No
Section Name: Valv	ve Surgery					Harvest:	No
DBTableName Adu	ıltData						
None M = M B = Bi H = He A = Ae R = Ri	te the type of implant; choose on lechanical oprosthesis omograft utograft (Ross) ng/Annuloplasty Band/Annuloplasty	le:					
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VS-Tricuspid Proc- Procedure	Format:		categorical va ied by STS)	lues		
ParentShortName:	OpTricus	DataLength:					
ParentValue:	<> "No" And Is Not Missing	Data Source:	User				
Harvest Code	·s:						
Cod	le: Value:						
	1 None						
	2 Mechanical						
	3 Bioprosthesis						
	4 Homograft						
	5 Autograft (Ross)						
	6 Ring/Annuloplasty						
	7 Band/Annuloplasty						

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: VS-Tricuspid Proc-Imp					SeqNo:	4540
Short Name: VSTrIm					Core:	Yes
Section Name: Valve Surgery					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate the name of the prosthese model number with "xx" substitute	1	1	ovided include	e the	manufacturer	S
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField.	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: VS-Tricuspid Proc- Procedure	Format:		(categorical va fied by STS)	lues		
ParentShortName: OpTricus	DataLength:					
ParentValue: <> "No" And Is Not Miss	ng Data Source	: User				
Long Name: VS-Tricuspid Proc-Imp-Size					SeqNo:	4550
Short Name: VSTrImSz					Core:	Yes
Section Name: Valve Surgery					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the Tricuspid implant siz	2.					
LowValue: 5 UsualRangeLow: 10	ACCField:	Not m	apped			
	ReportField.	No	NQFField:	Yes		
HighValue: 50 UsualRangeHigh: 40			DODIE: 11.	No		
HighValue: 50 UsualRangeHigh: 40	ModelField:	No	PQRIField:	110		
HighValue: 50 UsualRangeHigh: 40 Parent Long Name: VS-Tricuspid Proc- Procedure	ModelField: Format:	No Intege	~	110		
Parent Long Name: VS-Tricuspid Proc-		Intege	~	110		

STS Adult Cardiac Database				Versio	on: 2.73
Long Name: VS-Pulmonic Proc-Procedure				SeqNo:	4560
Short Name: OpPulm				Core:	Yes
Section Name: Valve Surgery				Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether a surgical procedu	re was done or no	t done on the Puln	nonic Val	ve.	
LowValue: UsualRangeLow:	ACCField:	Not mapped			
HighValue: UsualRangeHigh:	ReportField:	Yes NQFFiel	d: No		
	ModelField:	No PQRIFie	ld: Yes		
Parent Long Name: Valve	Format:	Text (categorica specified by STS			
ParentShortName: OpValve	DataLength:				
<i>ParentValue:</i> = "Yes"	Data Source:	User			
Harvest Codes:					
Code: Value:					
1 No					
2 Replacement					
3 Reconstruction					
4 Valvectomy					

STS Adult Cardiac Database

Long Name: VS-P	Pulmonic Proc-Imp-Type					SeqNo:	4570
Short Name: VSP	uImTy					Core:	No
Section Name: Valve	e Surgery					Harvest:	No
DBTableName Adu	ltData						
None M = Me B = Bic H = Ho A = Au R = Rir	e the type of implant; choose on echanical pprosthesis mograft tograft (Ross) ng/Annuloplasty cand/Annuloplasty	le:					
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VS-Pulmonic Proc- Procedure	Format:		categorical va ied by STS)	lues		
ParentShortName:	OpPulm	DataLength:					
ParentValue:	<> "No" And Is Not Missing	Data Source.	User				
Harvest Codes	s:						
Code	e: Value:						
1	None						
2	2 Mechanical						
3	Bioprosthesis						
4	Homograft						
5	5 Autograft (Ross)						
6	6 Ring/Annuloplasty						
7	Band/Annuloplasty						

STS Adult Cardiac Database	Version: 2.7
Long Name: VS-Pulmonic Proc-Imp	SeqNo: 45
Short Name: VSPuIm	Core: Y
Section Name: Valve Surgery	Harvest: Y
DBTableName AdultData	
Definition: Indicate the name of the prosthesis model number with "xx" substitution	implanted. The names provided include the manufacturer's g for the device size.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: VS-Pulmonic Proc- Procedure	Format: Text (categorical values specified by STS)
ParentShortName: OpPulm	DataLength:
ParentValue: <> "No" And Is Not Missin	g Data Source: User
Long Name: VS-Pulmonic Proc-Imp-Size	SeqNo: 45
Short Name: VSPuImSz	Core: Y
Section Name: Valve Surgery	Harvest: Y
DBTableName AdultData	
Definition: Indicate the Pulmonic implant size	
LowValue: 5 UsualRangeLow: 10	ACCField: Not mapped
HighValue: 50 UsualRangeHigh: 40	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: VS-Pulmonic Proc- Procedure	Format: Integer
-	Format: Integer DataLength:

Long Name: Valve	Implant List Version Number				SeqNo:	4600
Short Name: Valve	*				Core:	No
Section Name: Valve					Harvest:	No
DBTableName Adult	Data					
	ion number of the list of valve record is created. The version				nto the record	at the
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No		
		ModelField:	No	PQRIField: No		
Parent Long Name:	Valve	Format:	Text			
ParentShortName: O	pValve	DataLength:				
ParentValue: =	"Yes"	Data Source:	Autor	natic		
Long Name: IABP					SeqNo:	4610
Short Name: IABP					Core:	Yes
Section Name: Mecha	nical Cardiac Assist Devices				Harvest:	Yes
DBTableName Adult	Data					
Definition: Indicate	whether the patient was placed	l on Intra-Aort	ic Ballo	oon Pump (IABP).		
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No		
		ModelField:	No	PQRIField: No		
Parent Long Name:		Format:		(categorical values fied by STS)		
ParentShortName:		DataLength:	•	•		
ParentValue:		Data Source:	User			
Harvest Codes:						
Code:	Value:					
1	Yes					
-						

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: IABP-When Inserted			SeqNo:	4620
Short Name: IABPWhen			Core:	Yes
Section Name: Mechanical Cardiac Assist Devices			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate when the IABP was inserted.				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No		
	ModelField:	Yes PQRIField: No		
Parent Long Name: IABP	Format:	Text (categorical values specified by STS)		
ParentShortName: IABP	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
<u>Code:</u> Value:				
1 Preop				
2 Intraop				
3 Postop				
Long Name: IABP-Indication			SeqNo:	4630
Short Name: IABPInd			Core:	Yes
Section Name: Mechanical Cardiac Assist Devices			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the primary reason for insertin	ng the IABP.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: IABP	Format:	Text (categorical values specified by STS)		
ParentShortName: IABP	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 Hemodyn Instability				
2 PTCA Support				
3 Unstable Angina				
4 Cardiopulmonary Bypass (CPB) Weaning Failure				

Short Name: IABP Section Name: Mecha DBTableName Adult				SeqNo: Core: Harvest:	4640 Yes Yes
Definition: Indicate	the date on which the IABP wa	as removed.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	IABP	Format:	Date mm/dd/yyyy		
ParentShortName: I	ABP	DataLength:			
ParentValue: =	= "Yes"	Data Source:	User		

Long Name:	Catheter Based Assist Device Used	SeqNo:	4660
Short Name:	CathBasAssist	Core:	Yes
Section Name:	Mechanical Cardiac Assist Devices	Harvest:	Yes
DBTableName	e AdultData		

Definition: Indicate whether the patient was placed on a catheter based assist device (e.g., Impella).

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User
Harvest Codes:			
Code:	<u>Value:</u>		
1	Yes		
2	No		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Catheter Based Assist Device			SeqNo:	4670
Short Name: CathBasAssistDev			Core:	Ye
Section Name: Mechanical Cardiac Assist Device	S		Harvest:	Ye
DBTableName AdultData				
Definition: Indicate the catheter based assist dev	rice that was used	l.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Catheter Based Assist Device Used	Format:	Text (categorical values specified by STS)		
ParentShortName: CathBasAssist	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Impella				
2 Tandem Heart				
9 Other				
Long Name: Catheter Based Assist Device Who	en Inserted		SeqNo:	4690
Long Mame. Calleter Dased Assist Device with				
·			-	
Short Name: CathBasAssistWhen Section Name: Mechanical Cardiac Assist Device			Core: Harvest:	Yes
Short Name: CathBasAssistWhen Section Name: Mechanical Cardiac Assist Device			Core:	Yes
Short Name: CathBasAssistWhen	s	serted.	Core:	Yes
Short Name: CathBasAssistWhen Section Name: Mechanical Cardiac Assist Device DBTableName AdultData Definition: Indicate when the catheter based assi	s ist device was ins		Core:	Yes
Short Name:CathBasAssistWhenSection Name:Mechanical Cardiac Assist DeviceDBTableNameAdultDataDefinition:Indicate when the catheter based assiLowValue:UsualRangeLow:	s ist device was ins ACCField:	Not mapped	Core:	Yes
Short Name: CathBasAssistWhen Section Name: Mechanical Cardiac Assist Device DBTableName AdultData Definition: Indicate when the catheter based assi	s ist device was ins	Not mapped	Core:	Yes
Short Name:CathBasAssistWhenSection Name:Mechanical Cardiac Assist DeviceDBTableNameAdultDataDefinition:Indicate when the catheter based assiLowValue:UsualRangeLow:	s ist device was ins ACCField: ReportField:	Not mapped NQFField:	Core:	Yes
Short Name:CathBasAssistWhenSection Name:Mechanical Cardiac Assist DeviceDBTableNameAdultDataDefinition:Indicate when the catheter based assiLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Catheter Based Assist	s ist device was ins ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Core:	Yes
Short Name:CathBasAssistWhenSection Name:Mechanical Cardiac Assist DeviceDBTableNameAdultDataDefinition:Indicate when the catheter based assiLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Catheter Based Assist Device Used	s ist device was ins ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes
Short Name:CathBasAssistWhenSection Name:Mechanical Cardiac Assist DeviceDBTableNameAdultDataDefinition:Indicate when the catheter based assiLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Catheter Based AssistDevice UsedParentShortName:CathBasAssist	s ist device was ins ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes
Short Name:       CathBasAssistWhen         Section Name:       Mechanical Cardiac Assist Device         DBTableName       AdultData         Definition:       Indicate when the catheter based assi         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Catheter Based Assist         Device Used       ParentShortName:         ParentValue:       = "Yes"         Harvest Codes:       Harvest Codes:	s ist device was ins ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Ye
Short Name:CathBasAssistWhenSection Name:Mechanical Cardiac Assist DeviceDBTableNameAdultDataDefinition:Indicate when the catheter based assiLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Catheter Based AssistDevice UsedParentShortName:CathBasAssistParentValue:= "Yes"	s ist device was ins ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Ye
Short Name: CathBasAssistWhen Section Name: Mechanical Cardiac Assist Device DBTableName AdultData Definition: Indicate when the catheter based assi LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Catheter Based Assist Device Used ParentShortName: CathBasAssist ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u>	s ist device was ins ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes

STS Adult Cardiac D					on: 2.73
0	neter Based Assist Device Indica	ation		SeqNo:	4700
	nBasAssistInd			Core:	Yes
Section Name: Mec	hanical Cardiac Assist Devices			Harvest:	Yes
DBTableName Adu	ıltData				
Definition: Indicat	te the primary reason for insertir	ng the device.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Catheter Based Assist Device Used	Format:	Text (categorical values specified by STS)		
ParentShortName:	CathBasAssist	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	•c•				
	le: <u>Value:</u>				
	1 Hemodynamic Instability				
	2 Cardiopulmonary Bypass				
	(CPB) weaning failure				
	3 PCI Failure				
	4 Other				
Long Name: Cath	neter Based Assist Device Remo	wed Date		SeqNo:	4710
8	hBasAssistRemDt	Ved Dute		Core:	Yes
	hanical Cardiac Assist Devices			Harvest:	Yes
DBTableName Adu				1100 / 0500	100
	te the date on which the catheter	· based assist de	evice was removed.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
mgnvalae.	O suullangelligh.	ModelField:	PQRIField:		
Parent Long Name:	Catheter Based Assist Device Used	Format:	Date mm/dd/yyyy		
DanoutCh outNamo.	CathBasAssist	DataLength:			
ParentShortName:					

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: Extracorporeal Membrane O	xygenation	SeqNo:	4730
Short Name: ECMO		Core:	Yes
Section Name: Mechanical Cardiac Assist D	levices	Harvest:	Yes
DBTableName AdultData			
Definition: Indicate whether the patient wa	s placed on ECMO.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name:	Format: Text (categorical value specified by STS)	S	
ParentShortName:	DataLength:		
ParentValue:	Data Source: User		
Harvest Codes:			
Code: Value:			
1 Yes			
2 No			
Long Name: ECMO When Initiated		SeqNo:	4740
Short Name: ECMOWhen		Core:	Yes
Section Name: Mechanical Cardiac Assist D	vevices	Harvest:	Yes
DBTableName AdultData			
Definition: Indicate when patient was place	ed on ECMO.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Extracorporeal Membr Oxygenation	ane <i>Format:</i> Text (categorical value specified by STS)	S	
ParentShortName: ECMO	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
Code: Value:			
<u>Code:</u> <u>Value:</u> 1 Preop			
1 Preop			

STS Adult Cardiac Dat	abase			Versio	n: 2.73
Long Name: ECMC	O Indication			SeqNo:	4750
Short Name: ECMC	DInd			Core:	Yes
Section Name: Mecha	nical Cardiac Assist Devices			Harvest:	Yes
DBTableName Adult	Data				
Definition: Indicate	clinical indication for placing	patient on ECM	MO.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
	Extracorporeal Membrane Dxygenation	Format:	Text (categorical va specified by STS)	lues	
ParentShortName: E	СМО	DataLength:			
ParentValue: =	"Yes"	Data Source:	User		
Harvest Codes:					
	Value:				
1	Cardiac Failure				
2	Respiratory Failure				
3	Hypothermia				
4	Rescue/salvage				
Long Name: VAD-	Previous VAD			SeqNo:	4760
Short Name: <b>PrevV</b>	AD			Core:	Yes
Section Name: Mecha	nical Cardiac Assist Devices			Harvest:	Yes
DBTableName Adult	Data				
	if at the time of this procedure admission or from an outside	-	s a VAD in place that	was inserted durin	ig a
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	No NQFField:	No	
		ModelField:	No PQRIField:	No	
Parent Long Name:		Format:	Text (categorical va specified by STS)	lues	
ParentShortName:		DataLength:			
ParentValue:		Data Source:	User		
Harvest Codes:					
Code:	Value:				
1	Yes				
2	No				

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Previous VAD Facility			SeqNo:	4770
Short Name: <b>PrevVADF</b>			Core:	Yes
Section Name: Mechanical Cardiac Assist Devices			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate if the previously implanted as	sist device was	implanted at another fac	cility.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: N	lo	
	ModelField:	No PQRIField: N	lo	
Parent Long Name: VAD-Previous VAD	Format:	Text (categorical value specified by STS)	es	
ParentShortName: PrevVAD	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	: User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Previous VAD Insertion Date			SeqNo:	4771
Short Name: PrevVADD			Core:	Yes
Section Name: Mechanical Cardiac Assist Devices			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate insertion date of previous VA	D			
Dejutiton. Indicate insertion date of previous VA	υ.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
LowValue: UsualRangeLow:	ACCField:			
LowValue: UsualRangeLow:	ACCField: ReportField:	NQFField:		
LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField: ReportField: ModelField:	<i>NQFField:</i> <i>PQRIField:</i> Date mm/dd/yyyy		

STS Adult Cardiac Database	Version: 2.73
Long Name: Previous VAD Indication	<i>SeqNo:</i> 4772
Short Name: PrevVADIn	<i>Core:</i> Yes
Section Name: Mechanical Cardiac Assist Devices	Harvest: Yes
DBTableName AdultData	
Definition: Specify indication for VAD insertion	
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: NQFField:
	ModelField: PQRIField:
Parent Long Name: VAD-Previous VAD	Format: Text (categorical values specified by STS)
ParentShortName: PrevVAD	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes and Value Definitions:	
Code: Value:	Definition:
1 Bridge to Transplantation	Includes those patients who are supported with a VAD until a heart transplant is possible.
2 Bridge to Recovery	Includes those patients who are expected to have ventricular recovery. (i.e. Myocarditis patients, postcardiotomy syndromes, viral cardiomyopathies, AMI w/ revascularization, and post-transplant reperfusion injury).
3 Destination	Includes those patients where a heart transplant is not an option. The VAD is placed for permanent life sustaining support.
4 Post Cardiotomy Ventricul Failure	ar Includes those postcardiotomy patients who receive a VAD because of failure to separate from the heart-lung machine. Postcardiotomy refers to those patients with the inability to wean from cardiopulmonary bypass secondary to left, right, or biventricular failure.
5 Device Malfunction	Includes those patients who are currently VAD supported and are experiencing device failure.
6 End of Life	Mechanical device pump has reached functional life expectancy and requires replacement.

STS Adult Cardia	c Database			Versio	on: 2.73
Long Name: P	revious VAD Type			SeqNo:	4773
Short Name: P	revVADTy			Core:	Yes
Section Name: N	lechanical Cardiac Assist Device	es		Harvest:	Yes
DBTableName	AdultData				
Definition: Indi	cate type of VAD previously ins	erted.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nan	e: VAD-Previous VAD	Format:	Text (categorical values specified by STS)		
ParentShortNam	e: PrevVAD	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	odes and Value Definitions:				
<u>(</u>	Code: Value:	Definition	<u>1:</u>		
_	1 RVAD		ntricular Assist Device		
	2 LVAD	Left Vent	ricular Assist Device		
	3 BiVAD	BiVentric	ular Assist Device		
	4 TAH	Total Art	ficial Heart		
Long Name: P	revious VAD Device			SeqNo:	4774
8	revVADDevice			Core:	Yes
	lechanical Cardiac Assist Device	es		Harvest:	Yes
DBTableName	AdultData				
	cate Previous VAD device.				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nan	e: VAD-Previous VAD	Format:	Text (categorical values specified by STS)		
ParentShortNam	e: PrevVAD	DataLength:			
ParentValue:	= "Yes"	Data Source:	Usen		

STS Adult Cardiac D	atabase				Versi	on: 2.73
Long Name: VAI	O Product Type List Version Nu	mber			SeqNo:	4780
Short Name: VA	DListVrsn				Core:	No
Section Name: Mec	hanical Cardiac Assist Devices				Harvest:	No
DBTableName Adu	ıltData					
	rsion number of the list of optio d into the record at the time the S.					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:		Format:	Text			
ParentShortName:		DataLength:				
ParentValue:		Data Source:	Autor	natic		
8	D-Indication for this VAD				SeqNo:	4790
	DInd				Core:	Yes
	hanical Cardiac Assist Devices				Harvest:	Yes
DBTableName Adu			4 Dania			
-	te the reason for implanting a Ve				ng this procedure.	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:	VAD Implanted or Removed	Format:		(categorical va fied by STS)	alues	
ParentShortName:	VADProc	DataLength:				
ParentValue:	= "Yes, implanted" or "Yes, implanted and explanted"	Data Source:	User			
Harvest Code	s and Value Definitions:					
Cod	e: Value:	Definition	<u>n:</u>			
	1 Bridge to Transplantation		-	atients who are splant is possi	e supported with a ible.	VAD
	2 Bridge to Recovery	ventricula postcardi	ar recov otomy s evascul	ery. (i.e. Myo syndromes, vir arization, and	e expected to have carditis patients, ral cardiomyopathi post-transplant	es,
	3 Destination		he VA	D is placed fo	a heart transplant is or permanent life	s not an

4	Postcardiotomy Ventricular Failure (separation from CPB)	Includes those postcardiotomy patients who receive a VAD because of failure to separate from the heart-lung machine. Postcardiotomy refers to those patients with the inability to wean from cardiopulmonary bypass secondary to left, right, or biventricular failure.
5	Device Malfunction	Includes those patients who are currently VAD supported and are experiencing device failure.
6	End of Life	Mechanical device pump has reached functional life expectancy and requires replacement.

Long Name: VAD-Intubated Pre-VAD			SeqNo:	4800
Short Name: IntPVAD			Core:	No
Section Name: Mechanical Cardiac Assist Devices			Harvest:	No
DBTableName AdultData				
Definition: Indicate if the patient was intubated pr	ior to the OR in	n which the VAD was plac	ed.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: VAD	Format:	Text (categorical values specified by STS)		
ParentShortName: VAD	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

STS Adult Cardiac Database	Versio	on: 2.73
Long Name: VAD-Hemodynamics Pre-VAD-PCWP	SeqNo:	4810
Short Name: HPVPCWP	Core:	No
Section Name: Mechanical Cardiac Assist Devices	Harvest:	No
DBTableName AdultData		
<i>Definition:</i> Indicate the Pulmonary Capillary Wedge Pressure (PCWP) in mm/Hg as determinduction in the OR, or in an ICU immediately prior to the OR.	nined prior to	
LowValue: 1 UsualRangeLow: 5 ACCField: Not mapped		
HighValue: 50 UsualRangeHigh: 30 ReportField: No NQFField: No		
ModelField: No PQRIField: No		
Parent Long Name: VAD Format: Integer		
ParentShortName: VAD DataLength:		
ParentValue: = "Yes" Data Source: User		
Long Name: VAD-Hemodynamics Pre-VAD-CVP	SeqNo:	4820
Short Name: HPVCVP	Core:	No
Section Name: Mechanical Cardiac Assist Devices	Harvest:	No
<ul><li>DBTableName AdultData</li><li>Definition: Indicate the Central Venous Pressure (CVP) in mm/Hg prior to induction in the immediately prior to the OR.</li></ul>	OR, or in an I	ICU
LowValue: 1 UsualRangeLow: 5 ACCField: Not mapped		
HighValue: 50 UsualRangeHigh: 10 ReportField: No NQFField: No		
ModelField: No PQRIField: No		
Parent Long Name: VAD Format: Integer		
ParentShortName: VAD DataLength:		
ParentValue: = "Yes" Data Source: User		

STS Adult Cardiac Database					versio	on: 2.73
Long Name: VAD-Hemodynamics Pre-VAD-CI					SeqNo:	4830
Short Name: HPVCI					Core:	No
Section Name: Mechanical Cardiac Assist Devices					Harvest:	No
DBTableName AdultData						
<i>Definition:</i> Indicate the Cardiac Index (CI) in L/(a immediately prior to the OR.	min x m2) prior	to indu	ction in the OI	R, or	in an ICU	
LowValue: 0.5 UsualRangeLow: 0.5	ACCField:	Not ma	apped			
HighValue: 5.0 UsualRangeHigh: 2.0	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: VAD	Format:	Real				
ParentShortName: VAD	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source:	User				
						_
Long Name: VAD-Hemodynamics Pre-VAD-RV	VEF				SeqNo:	4840
Short Name: HPVRVEF					Core:	No
Section Name: Mechanical Cardiac Assist Devices					Harvest:	No
DBTableName AdultData						
<i>Definition:</i> Indicate the Right Ventricular Function of the VAD implant as possible.	on prior to anest	hesia in	duction in the	OR a	nd as close to	o time
LowValue: UsualRangeLow:	ACCField:	Not ma	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: VAD	Format:		categorical va ied by STS)	lues		
ParentShortName: VAD	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Harvest Codes:						
Code: Value:						
1 Normal						
2 Mildly Impaired						
3 Moderately Impaired						
4 Severely Impaired						
				_		

STS Adult Cardiac Database

STS Adult Cardiac	Database				Versio	on: 2.73
Long Name: VA	D-Implant Type				SeqNo:	4850
Short Name: VIn	npTy				Core:	Yes
Section Name: Mee	chanical Cardiac Assist Devices				Harvest:	Yes
DBTableName Ad	ultData					
Definition: Indica	te the first type of VAD implanted	ed during this h	nospital	ization.		
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No		
		ModelField:	No	PQRIField: No		
Parent Long Name:	• VAD Implanted or Removed	Format:		(categorical values fied by STS)		
ParentShortName:	VADProc	DataLength:				
ParentValue:	= "Yes, implanted" or "Yes, implanted and explanted"	Data Source.	User			
Harvest Code	es:					
Cod	de: Value:					
	1 RVAD - Right Ventricular Assist Device					
	2 LVAD - Left Ventricular Assist Device					
	3 BiVAD - BiVentricular Ass Device	ist				
	4 TAH - Total Artificial Heart	t				

STS Adult Cardiac D	Database				Vers	ion: 2.73
Long Name: VAI	D-Initial VAD Cannulation/Atta	ch Site - LVAI	) Inflow	1	SeqNo:	4860
Short Name: LVA	ADInf				Core:	No
Section Name: Mec	hanical Cardiac Assist Devices				Harvest:	No
DBTableName Adu	ıltData					
LVAD	te the location of the LVAD infl inflow is defined as the anatom duit that provides the flow of blo	nic location (lef	t atrium	or left ventric	le) for the VAD	
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:	VAD-Implant Type	Format:		categorical val	lues	
ParentShortName:	VImpTy	DataLength:				
ParentValue:	= "LVAD", "BiVAD", or "TAH"	Data Source:	User			
Harvest Code	·s:					
Cod	le: Value:					
	1 Left Atrium					
	2 Left Ventricle					
Long Name: VAI	D-Initial VAD Cannulation/Atta	ch Site - RVAI	) Inflov	V	SeqNo:	4870
Short Name: RV	ADInf				Core:	No
Section Name: Mec	hanical Cardiac Assist Devices				Harvest:	No
DBTableName Adu	ıltData					
The R	te the location of the RVAD infl VAD inflow is defined as the an a or conduit that provides the flo	atomic location	n (right a	atrium or right	ventricle) for the	· /
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:	VAD-Implant Type	Format:		categorical val	lues	
ParentShortName:	VImpTy	DataLength:				
ParentValue:	= "RVAD", "BiVAD" or "TAH"	Data Source:	User			
Harvest Code	28:					
	le: Value:					
	1 Right Atrium					

					Versio	n: 2.73
2 Right Ventricle						
Long Name: VAD-Device					SeqNo:	4880
Short Name: VProdTy					Core:	Yes
Section Name: Mechanical Cardiac Assist Devic	ces				Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the VAD brand name impla	anted. Implant de	fined as ph	ysical place	emen	t of the VAD.	
LowValue: UsualRangeLow:	ACCField:	Not mapp	ed			
HighValue: UsualRangeHigh:	ReportField:	No N	QFField:	No		
	ModelField:	No P	QRIField:	No		
Parent Long Name: VAD-Implant Type	Format:	Text (cat specified	egorical va by STS)	lues		
ParentShortName: VImpTy	DataLength:					
ParentValue: Is Not Missing	Data Source	: User				
Long Name: VAD-Implant Date					SeqNo:	4890
Short Name: VImpDt					Core:	Yes
Section Name: Mechanical Cardiac Assist Devic	ces				Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the date the VAD was impl	lanted.					
	ACCField:	Not mapp	ed			
LowValue: UsualRangeLow:			OFF: 14.	No		
LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ReportField:	No N	QFField:	110		
0	ReportField: ModelField:		QFField: QRIField:			
0	ModelField:	No P	QRIField:			
HighValue: UsualRangeHigh:	-	No <i>P</i> Date mm	QRIField:			

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: VAD-Explant					SeqNo:	4900
Short Name: VExp					Core:	Yes
Section Name: Mechanical Cardiac Assist Device	es				Harvest:	Yes
DBTableName AdultData						
Definition: Indicate if the VAD was explanted.	Explant is defined	d as physi	cal removal	of the	e VAD.	
LowValue: UsualRangeLow:	ACCField:	Not map	oped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: VAD-Implant Type	Format:		ategorical va d by STS)	lues		
ParentShortName: VImpTy	DataLength:					
ParentValue: Is Not Missing	Data Source:	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: VAD-Explant Date					SeqNo:	4910
Short Name: VExpDt					Core:	Yes
Section Name: Mechanical Cardiac Assist Device	es				Harvest:	Yes
DBTableName AdultData						
	anted					
Definition: Indicate the date the VAD was explained	anteu.					
LowValue: UsualRangeLow:	ACCField:	Not map	ped			
		-	oped NQFField:	No		
LowValue: UsualRangeLow:	ACCField:	No	-			
LowValue: UsualRangeLow:	ACCField: ReportField:	No . No .	NQFField:			
LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField: ReportField: ModelField:	No . No .	NQFField: PQRIField:			

STS Adult Cardiac Data	base		Version: 2.73
Long Name: VAD-E	Explant Reason		SeqNo: 4920
Short Name: VExpR	Sn		Core: Yes
Section Name: Mechan	nical Cardiac Assist Devices		Harvest: Yes
DBTableName AdultD	Data		
Definition: Indicate th	he reason the VAD was expla	nted.	
LowValue:	UsualRangeLow:	ACCField: Not mapped	
HighValue:	UsualRangeHigh:	ReportField: No NQFField: No	
		ModelField: No PQRIField: No	
Parent Long Name: V	AD-Explant	Format: Text (categorical values specified by STS)	
ParentShortName: VI	Exp	DataLength:	
ParentValue: = '	"Yes"	Data Source: User	
Harvest Codes an	nd Value Definitions:		
Code:	Value:	Definition:	
1	Cardiac Transplant	The VAD was explanted for Cardiac	Transplant.
2	Recovery	The VAD was removed after cardiac	recovery.
3	Device Transfer	The VAD was explanted in order to in assist device.	nplant another
4	Device-Related Infection	An infection within the pump pocket, Endocarditis, or other infection requir of the VAD. The body of the VAD h infection requiring removal to elimina "Device-related infections" are define culture in the presence of leukocytosic requiring medical or surgical interven	ing explantation as an active ate the infection. at as positive s, and /or fever
5	Device Malfunction	The VAD pump itself is not functioni causing hemodynamic compromise, a immediate intervention or VAD repla	nd/or requiring
6	End of Life	Mechanical device pump has reached expectancy and requires replacement.	

STS Adult Cardiac	Database					Versio	on: 2.73
Long Name: VA	D-Cardiac Transplant Date					SeqNo:	4930
Short Name: VT	xDt					Core:	Yes
Section Name: Med	chanical Cardiac Assist Devices					Harvest:	Yes
DBTableName Ad	ultData						
Definition: Indica	te the date the patient received a	cardiac transpl	ant.				
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD-Explant Reason	Format:	Date	mm/dd/yyyy			
ParentShortName:	VExpRsn	DataLength:					
ParentValue:	= "Cardiac Transplant"	Data Source.	User				
Long Name: VA Short Name: VIn	D-Implant #2 <b>np2</b>					SeqNo: Core:	494( Yes
Section Name: Med	chanical Cardiac Assist Devices					Harvest:	Yes
DBTableName Ad	ultData						
Definition: Indica	te whether a second ventricular a	assist device wa	as impla	anted.			
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD Implanted or Removed	Format:		(categorical va fied by STS)	lues		
ParentShortName:	VADProc	DataLength:					
ParentValue:	= "Yes, implanted" or "Yes, implanted and explanted"	Data Source.	User				
Harvest Code	es:						
Coo	de: <u>Value:</u>						
	1 Yes						
	2 No						

STS Adult Card	iac Database					Versic	n: 2.73
Long Name:	VAD-Implant Type #2					SeqNo:	4950
Short Name:	VImpTy2					Core:	Yes
Section Name:	Mechanical Cardiac Assist Devices					Harvest:	Yes
DBTableName	AdultData						
Definition: In	dicate the second type of ventricular	assist device ir	nplantee	1.			
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long No	ame: VAD-Implant #2	Format:		categorical va ied by STS)	lues		
ParentShortNa	me: VImp2	DataLength:					

Data Source: User

## Harvest Codes:

ParentValue:

Code: Value:

= "Yes"

- 1 RVAD Right Ventricular Assist Device
- 2 LVAD Left Ventricular Assist Device
- 3 BiVAD BiVentricular Assist Device
- 4 TAH Total Artificial Heart

STS Adult Cardiac D	Database					Versio	on: 2.73
Long Name: VA	D- #2 VAD Cannulation/Attach	Site - LVAD I	nflow			SeqNo:	4960
Short Name: LVA	ADinf2					Core:	No
Section Name: Mec	hanical Cardiac Assist Devices				1	Harvest:	No
DBTableName Adu	ıltData						
LVAD	te the location of the LVAD inf o inflow is defined as the anatom duit that provides the flow of bl	nic location (lef	t atrium	or left ventric	ele) for		
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD-Implant Type #2	Format:		(categorical va ied by STS)	lues		
ParentShortName:	VImpTy2	DataLength:					
ParentValue:	= "LVAD", "BiVAD", or "TAH"	Data Source.	User				
Harvest Code	25:						
Coc	le: Value:						
	1 Left Atrium						
	2 Left Ventricle						
Long Name: VA	D- #2 VAD Cannulation/Attach	Site - RVAD I	nflow			SeqNo:	4970
Short Name: RV.	ADinf2					Core:	No
Section Name: Mec	hanical Cardiac Assist Devices				1	Harvest:	No
DBTableName Adu	ıltData						
The R	te the location of the RVAD inf VAD inflow is defined as the ar a or conduit that provides the fl	natomic location	n (right	atrium or right	t ventri	cle) for the	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD-Implant Type #2	Format:		(categorical va ied by STS)	lues		
ParentShortName:	VImpTy2	DataLength:	-				
ParentValue:	= "RVAD", "BiVAD" or "TAH"	Data Source.	User				
Harvest Code	es:						
	le: Value:						
	1 Right Atrium						
	U						

STS Adult Cardiac Database			Versio	on: 2.73
2 Right Ventricle				
Long Name: VAD-Device #2			SeqNo:	4980
Short Name: VProdTy2			Core:	Yes
Section Name: Mechanical Cardiac Assist Devices			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the specific product #2 implant	ted. Implant d	lefined as physical placem	ent of the VAI	D.
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: VAD-Implant #2	Format:	Text (categorical values specified by STS)		
ParentShortName: VImp2	DataLength:			
ParentValue: = "Yes"	Data Source.	· User		
Long Name: VAD-Implant Date #2			SeqNo:	4990
Short Name: VImpDt2			Core:	Yes
Section Name: Mechanical Cardiac Assist Devices			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the date the VAD #2 was impl	lanted.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: VAD-Implant #2	Format:	Date mm/dd/yyyy		
ParentShortName: VImp2	DataLength:			

Data Source: User

*ParentValue:* = "Yes"

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: VAD-Explant #2					SeqNo:	5000
Short Name: VExp2					Core:	Yes
Section Name: Mechanical Cardiac Assist Device	es				Harvest:	Yes
DBTableName AdultData						
Definition: Indicate if the VAD #2 was explanted	ed. Explant is defi	ined as	physical remov	al of	f the VAD.	
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: VAD-Implant #2	Format:		(categorical va fied by STS)	lues		
ParentShortName: VImp2	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: VAD-Explant Date #2					SeqNo:	5010
Short Name: VExpDt2					Core:	Yes
Section Name: Mechanical Cardiac Assist Device	es				Harvest:	Yes
DBTableName AdultData						
Definition: Indicate the date the VAD #2 was ex	xplanted.					
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
		Ma	PQRIField:	No		
	ModelField:	INO	i giui iciu.	1.0		
Parent Long Name: VAD-Explant #2	ModelField: Format:		mm/dd/yyyy	110		
Parent Long Name: VAD-Explant #2 ParentShortName: VExp2			~	110		

STS Adult Cardiac Database	Version: 2.73			
Long Name: VAD-Explant Reason #2	<i>SeqNo:</i> 5020			
Short Name: VExpRsn2	Core: Yes			
Section Name: Mechanical Cardiac Assist Devices	Harvest: Yes			
DBTableName AdultData				
Definition: Indicate the reason the VAD #2 was e	xplanted.			
LowValue: UsualRangeLow:	ACCField: Not mapped			
HighValue: UsualRangeHigh:	ReportField: No NQFField: No			
	ModelField: No PQRIField: No			
<i>Parent Long Name:</i> VAD-Explant #2	Format: Text (categorical values specified by STS)			
ParentShortName: VExp2	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source: User			
Harvest Codes and Value Definitions:				
Code: Value:	Definition:			
1 Cardiac Transplant	The VAD was explanted for Cardiac Transplant.			
2 Recovery	The VAD was removed after cardiac recovery.			
3 Device Transfer	The VAD was explanted in order to implant another assist device.			
4 Device-Related Infection	An infection within the pump pocket, driveline, VAD Endocarditis, or other infection requiring explantation of the VAD. The body of the VAD has an active infection requiring removal to eliminate the infection. "Device-related infections" are defined as positive culture in the presence of leukocytosis, and /or fever requiring medical or surgical intervention.			
5 Device Malfunction	The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immediate intervention or VAD replacement.			
6 End of Life	Mechanical device pump has reached functional life expectancy and requires replacement.			

STS Adult Cardiac Database				Versio	on: 2.73
<i>Long Name:</i> VAD-Cardiac Transplant Date #2				SeqNo:	5030
Short Name: VTxDt2				Core:	Yes
Section Name: Mechanical Cardiac Assist Devices				Harvest:	Yes
DBTableName AdultData					
Definition: Indicate the date the patient received a	a cardiac transpl	lant.			
LowValue: UsualRangeLow:	ACCField:	Not m	apped		
HighValue: UsualRangeHigh:	ReportField:	No	NQFField: No		
	ModelField:	No	PQRIField: No		
Parent Long Name: VAD-Explant Reason #2	Format:	Date	mm/dd/yyyy		
ParentShortName: VExpRsn2	DataLength:				
<i>ParentValue:</i> = "Cardiac Transplant"	Data Source.	User			
Long Name: VAD-Implant #3 Short Name: VImp3				SeqNo: Core:	5040 Yes
Section Name: Mechanical Cardiac Assist Devices				Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether a third ventricular as	sist device was	implant	ted.		
LowValue: UsualRangeLow:	ACCField:	Not m	apped		
HighValue: UsualRangeHigh:	ReportField:	No	NQFField: No		
	ModelField:	No	PQRIField: No		
Parent Long Name: VAD-Implant #2	Format:		(categorical values fied by STS)		
ParentShortName: VImp2	DataLength:				
<i>ParentValue:</i> = "Yes"	Data Source.	User			
Harvest Codes:					
Code: Value:					
1 Yes					

STS Adult Cardiac Database			Versio	on: 2.73
<i>Long Name:</i> VAD-Implant Type #3			SeqNo:	5050
Short Name: VImpTy3			Core:	Yes
Section Name: Mechanical Cardiac Assist Devices			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the third type of ventricular as	ssist device imp	planted.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField:	No	
	ModelField:	No PQRIField: 1	No	
Parent Long Name: VAD-Implant #3	Format:	Text (categorical valu specified by STS)	les	
ParentShortName: VImp3	DataLength:			
ParentValue: = "Yes"	Data Source:	: User		
Harvest Codes:				
Code: Value:				
1 RVAD - Right Ventricular Assist Device				
2 LVAD - Left Ventricular Assist Device				
3 BiVAD - BiVentricular Ass	ist			

Device

4 TAH - Total Artificial Heart

STS Adult Cardiac	Database					Versio	on: 2.73
Long Name: VA	D- #3 VAD Cannulation/Attach	Site - LVAD I	nflow			SeqNo:	5060
Short Name: LV	ADInf3					Core:	No
Section Name: Mec	chanical Cardiac Assist Devices				i	Harvest:	No
DBTableName Adv	ultData						
LVAD	te the location of the LVAD inf D inflow is defined as the anator duit that provides the flow of bl	nic location (lef	t atrium	or left ventric	cle) for		
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD-Implant Type #3	Format:		(categorical va fied by STS)	lues		
ParentShortName:	VImpTy3	DataLength:					
ParentValue:	= "LVAD", "BiVAD", or "TAH"	Data Source.	User				
Harvest Code	es:						
Coc	de: Value:						
	1 Left Atrium						
	2 Left Ventricle						
Long Name: VA	D- #3 VAD Cannulation/Attach	Site - RVAD I	nflow			SeqNo:	5070
Short Name: RV.	ADInf3					Core:	No
Section Name: Mec	chanical Cardiac Assist Devices				Ì	Harvest:	No
DBTableName Adv	ultData						
The R	te the location of the RVAD inf VAD inflow is defined as the an la or conduit that provides the fl	natomic location	n (right	atrium or right	t ventri	cle) for the	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD-Implant Type #3	Format:		(categorical va fied by STS)	lues		
ParentShortName:	VImpTy3	DataLength:					
ParentValue:	= "RVAD", "BiVAD" or "TAH"	Data Source.	User				
Harvest Code	es:						
	de: Value:						
	1 Right Atrium						

STS Adult Cardiac Dat					Versic	on: 2.73
2	Right Ventricle					
Long Name: VAD-	Device #3				SeqNo:	5080
Short Name: VProd	lTy3				Core:	Yes
Section Name: Mecha	nical Cardiac Assist Devices				Harvest:	Yes
DBTableName Adult	Data					
Definition: Indicate	the specific product #3 implan	ted. Implant d	efined	as physical placeme	ent of the VAI	D.
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No		
		ModelField:	No	PQRIField: No		
Parent Long Name:	VAD-Implant #3	Format:		(categorical values fied by STS)		
ParentShortName: V	/Imp3	DataLength:				
ParentValue: =	"Yes"	Data Source:	User			
Long Name: VAD-	Implant Date #3				SeqNo:	5090
Short Name: VImp	Dt3				Core:	Yes
Section Name: Mecha	nical Cardiac Assist Devices				Harvest:	Yes
DBTableName Adult	Data					
Definition: Indicate	the date the VAD #3 was impl	anted.				
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No		
		ModelField:	No	PQRIField: No		
Parent Long Name:	VAD-Implant #3	Format:	Date	mm/dd/yyyy		

DataLength:

Data Source: User

ParentShortName: VImp3

= "Yes"

ParentValue:

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: VAD-Explant #3			SeqNo:	5100
Short Name: VExp3			Core:	Yes
Section Name: Mechanical Cardiac Assist Device	S		Harvest:	Yes
DBTableName AdultData				
Definition: Indicate if the VAD #3 was explanted	d. Explant is defined	l as physical removal o	f the VAD.	
LowValue: UsualRangeLow:	ACCField: No	ot mapped		
HighValue: UsualRangeHigh:	ReportField: No	o <i>NQFField:</i> No		
	ModelField: No	D PQRIField: No		
Parent Long Name: VAD-Implant #3		ext (categorical values pecified by STS)		
ParentShortName: VImp3	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source: U	ser		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: VAD-Explant Date #3			SeqNo:	5110
Short Name: VExpDt3			Core:	Yes
Section Name: Mechanical Cardiac Assist Device	s		Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the date the VAD #3 was ex	planted.			
LowValue: UsualRangeLow:	ACCField: No	ot mapped		
HighValue: UsualRangeHigh:	ReportField: No	o <i>NQFField:</i> No		
	ModelField: No	D PQRIField: No		
Parent Long Name: VAD-Explant #3	Format: D	ate mm/dd/yyyy		
ParentShortName: VExp3	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source: U	ser		

STS Adult Cardiac Database	Version: 2.73
Long Name: VAD-Explant Reason #3	<i>SeqNo:</i> 5120
Short Name: VExpRsn3	Core: Yes
Section Name: Mechanical Cardiac Assist Devices	Harvest: Yes
DBTableName AdultData	
Definition: Indicate the reason the VAD #3 was ex	xplanted.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: No NQFField: No
	ModelField: No PQRIField: No
Parent Long Name: VAD-Explant #3	Format: Text (categorical values specified by STS)
ParentShortName: VExp3	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes and Value Definitions:	
Code: Value:	Definition:
1 Cardiac Transplant	The VAD was explanted for Cardiac Transplant.
2 Recovery	The VAD was removed after cardiac recovery.
3 Device Transfer	The VAD was explanted in order to implant another assist device.
4 Device-Related Infection	An infection within the pump pocket, driveline, VAD Endocarditis, or other infection requiring explantation of the VAD. The body of the VAD has an active infection requiring removal to eliminate the infection. "Device-related infections" are defined as positive culture in the presence of leukocytosis, and /or fever requiring medical or surgical intervention.
5 Device Malfunction	The VAD pump itself is not functioning properly causing hemodynamic compromise, and/or requiring immdiate intervention or VAD replacement.
6 End of Life	Mechanical device pump has reached functional life expectancy and requires replacement.

	Database					Versio	n: 2.73
Long Name: VA	D-Cardiac Transplant Date #3					SeqNo:	5130
Short Name: VT	xDt3					Core:	Yes
Section Name: Mec	chanical Cardiac Assist Devices					Harvest:	Yes
DBTableName Adu	ultData						
Definition: Indica	te the date the patient received a	cardiac transpl	ant.				
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD-Explant Reason #3	Format:	Date 1	mm/dd/yyyy			
ParentShortName:	VExpRsn3	DataLength:					
ParentValue:	= "Cardiac Transplant"	Data Source:	User				
	D-Primary VAD Comp-Intracran C <b>mpBld</b>	lilai Diccu				SeqNo: Core:	5140 Yes
	стрыа					Core.	103
	chanical Cardiac Assist Devices					Harvest:	
Section Name: Mec	chanical Cardiac Assist Devices						
Section Name: Mec DBTableName Adu	chanical Cardiac Assist Devices	ial bleed, confi	med by	CT scan or of	ther d	Harvest:	Yes
Section Name: Mec DBTableName Adu	chanical Cardiac Assist Devices ultData	ial bleed, confii ACCField:	rmed by Not ma		ther d	Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue:	chanical Cardiac Assist Devices ultData te if the patient had an intracrani		Not ma			Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue:	chanical Cardiac Assist Devices ultData te if the patient had an intracrani <i>UsualRangeLow:</i>	ACCField:	Not ma	apped	No	Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue: HighValue:	chanical Cardiac Assist Devices ultData te if the patient had an intracrani <i>UsualRangeLow:</i>	ACCField: ReportField:	Not ma No No Text (	apped NQFField:	No No	Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue: HighValue:	chanical Cardiac Assist Devices ultData te if the patient had an intracrani <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VAD Implanted or Removed	ACCField: ReportField: ModelField:	Not ma No No Text (	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue: HighValue: Parent Long Name:	chanical Cardiac Assist Devices ultData te if the patient had an intracrani <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i> VAD Implanted or Removed	ACCField: ReportField: ModelField: Format:	Not ma No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue: HighValue: Parent Long Name: ParentShortName:	chanical Cardiac Assist Devices ultData te if the patient had an intracranic UsualRangeLow: UsualRangeHigh: VAD Implanted or Removed VADProc = "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	ACCField: ReportField: ModelField: Format: DataLength:	Not ma No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code	chanical Cardiac Assist Devices ultData te if the patient had an intracranic UsualRangeLow: UsualRangeHigh: VAD Implanted or Removed VADProc = "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	ACCField: ReportField: ModelField: Format: DataLength:	Not ma No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Harvest:	Yes
Section Name: Mec DBTableName Adu Definition: Indica LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Code	<pre>chanical Cardiac Assist Devices ultData te if the patient had an intracrani     UsualRangeLow:     UsualRangeHigh:     VAD Implanted or Removed     VADProc     = "Yes, implanted", "Yes,     explanted", or "Yes,     implanted and explanted" es:</pre>	ACCField: ReportField: ModelField: Format: DataLength:	Not ma No No Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	No No	Harvest:	Yes

STS Adult Cardiac	Database				Versio	on: 2.73
Long Name: VA	D-Primary VAD Comp-Embolic	Stroke			SeqNo:	5150
Short Name: PV	CmpESt				Core:	Yes
Section Name: Me	chanical Cardiac Assist Devices				Harvest:	Yes
DBTableName Ad	lultData					
	ate if the patient had embolic stro I scan or other diagnostic studies		blood o	clot, air embolus	, or tissue, confir	rmed
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: N	No	
		ModelField:	No	PQRIField: 1	No	
Parent Long Name	: VAD Implanted or Removed	Format:		(categorical valu fied by STS)	les	
ParentShortName:	VADProc	DataLength:				
ParentValue:	= "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	Data Source.	User			
Harvest Cod	es:					
<u>Co</u>	de: Value:					
	1 Yes					
	2 No					
Long Name: VA	D-Primary VAD Comp-Drivelin	e and/or cannu	la Infec	tion	SeqNo:	5160
Short Name: PV	CmpDCI				Core:	Yes
Section Name: Me	chanical Cardiac Assist Devices				Harvest:	Yes
DBTableName Ad	lultData					
define	ate if the patient had a driveline a ed as the presence of erythema, dr ng or exiting the body in associat	rainage, or pur	ulence a	at the VAD conn	ection site wheth	ner
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: N	No	
		ModelField:	No	PQRIField: N	No	
Parent Long Name	: VAD Implanted or Removed	Format:		(categorical valu fied by STS)	ies	
ParentShortName:	VADProc	DataLength:				
ParentValue:	= "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	Data Source.	: User			
Harvest Cod	es:					
	de: Value:					
	1 Yes					

Long Name: VA	D-Primary VAD Comp-Pump Pe	ocket Infection				SeqNo:	5170
Short Name: PVC	CmpPPI					Core:	Yes
Section Name: Mec	hanical Cardiac Assist Devices					Harvest:	Yes
DBTableName Adu	ıltData						
persist	te if the patient had a pump pock ent drainage in the physical loca inally with positive cultures from	tion of the pur	np, locat	•			
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	VAD Implanted or Removed	Format:		categorical va ied by STS)	lues		
ParentShortName:	VADProc	DataLength:					
ParentValue:	= "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	Data Source:	User				
Harvest Code	es:						
<u>Coc</u>	le: <u>Value:</u>						
	1 Yes						
	2 No						

STS Adult Cardiac Database				Versio	on: 2.73	
Long Name: VAD-Primary VAD Comp-VAD En	docarditis				SeqNo:	5180
Short Name: PVCmpEnd					Core:	Yes
Section Name: Mechanical Cardiac Assist Devices					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate if the patient had VAD endocated blood contacting surface of the VAD de - internal surfaces; - graft material; - inflow/outflow valves of the VAD	evice itself. T			as an	infection of	the
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: VAD Implanted or Removed	Format:		(categorical va Fied by STS)	lues		
ParentShortName: VADProc	DataLength:					
<i>ParentValue:</i> = "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						

STS Adult Cardiac I	Database				Versic	on: 2.73
Long Name: VA	D-Primary VAD Comp-Device I	Malfunction			SeqNo:	5190
Short Name: <b>PV</b>	CmpMal				Core:	Yes
Section Name: Mee	chanical Cardiac Assist Devices				Harvest:	Yes
DBTableName Ad	ultData					
	te if the pump itself is not function in the pump itself is not function or V			hemodynamic con	npromise, and	/or
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	UsualRangeHigh:	ReportField:		<i>NQFField:</i> No		
		ModelField:	No	PQRIField: No		
Parent Long Name.	· VAD Implanted or Removed	Format:		categorical values ied by STS)		
ParentShortName:	VADProc	DataLength:				
ParentValue:	= "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	Data Source:	User			
Harvest Cod	es:					
Co	de: Value:					
	1 Yes					
	2 No					
Long Name: VA	D-Primary VAD Comp-Hemoly	sis			SeqNo:	5191
Short Name: <b>PV</b>	CmpHem				Core:	Yes
Section Name: Mee	chanical Cardiac Assist Devices				Harvest:	Yes
DBTableName Ad	ultData					
	te whether patient experienced c bilirubinemia) and a plasma free					nt.
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped		
HighValue:	UsualRangeHigh:	ReportField:		NQFField:		
		ModelField:		PQRIField:		
Parent Long Name.	· VAD Implanted or Removed	Format:		categorical values ied by STS)		
ParentShortName:	VADProc	DataLength:				
ParentValue:	= "Yes, implanted", "Yes, explanted", or "Yes, implanted and explanted"	Data Source:	User			
Harvest Cod	es:					
<u>Co</u>	de: Value:					
	1 Yes					
	2 No					

Long Name: VAD-Prir	nary VAD Comp-Bowel C	Obstruction				SeqNo:	5200
Short Name: PVCmpB	0					Core:	Ye
Section Name: Mechanics	al Cardiac Assist Devices					Harvest:	Ye
DBTableName AdultDat	a						
-	e patient was diagnosed woon in the medical record.	with a bowel obs	struction	n post VAD ir	serti	on by	
LowValue: U	sualRangeLow:	ACCField:	Not m	apped			
HighValue: U	sualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name: VA	D Implanted or Removed	Format:		(categorical va ied by STS)	lues		
ParentShortName: VAD	Proc	DataLength:					
expla	es, implanted", "Yes, anted", or "Yes, anted and explanted"	Data Source:	User				
Harvest Codes:							
Code: V	alue:						
1 Y	es						
2 N	0						
Long Name: VAD-Dise	charge Status					SeqNo:	5210
Short Name: VADDisc	S					Core:	Ye
Section Name: Mechanics	al Cardiac Assist Devices					Harvest:	Ye
DBTableName AdultDat	a						
Definition: Indicate the	VAD status at discharge fr	com the hospita	1.				
LowValue: U	sualRangeLow:	ACCField:	Not m	apped			
HighValue: U	sualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name: VA	D Implanted or Removed	Format:		(categorical va ied by STS)	lues		
ParentShortName: VAD	Proc	DataLength:					
expla	es, implanted", "Yes, anted", or "Yes, anted and explanted"	Data Source:	User				
Harvest Codes:							
Code: V	alue:						
1 W	ith VAD						

	ithout VAD						
3 Ez	xpired in Hospital						
Long Name: Other Car	d-LVA					SeqNo:	5220
Short Name: OCarLVA	A					Core:	Yes
Section Name: Other Care	diac Procedures					Harvest:	Yes
DBTableName AdultDat	a						
	ther the patient had a I surgical procedure.	eft Ventricular Ar	neurysm	Repair either	in co	njunction wit	h, or
LowValue: U.	sualRangeLow:	ACCField:	Not ma	pped			
HighValue: U.	sualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Name: Othe	er Card	Format:		categorical va ed by STS)	lues		
ParentShortName: OpO	Card	DataLength:					
<i>ParentValue:</i> = "Ye	es"	Data Source:	User				
Harvest Codes:							
Code: Va	alue:						
1 Ye							
2 No	0						
Long Name: Other Car	d-VSD					SeqNo:	5230
Short Name: OCarVSE	)					Core:	Yes
Section Name: Other Care	diac Procedures					Harvest:	Yes
DBTableName AdultData	a						
	other the patient had a Nation surgical procedure.	Ventricular Septal	Defect R	Repair either in	n conj	unction with	, or as
LowValue: U.	sualRangeLow:	ACCField:	Not ma	pped			
HighValue: U.	sualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Name: Othe	er Card	Format:		categorical va ed by STS)	lues		
ParentShortName: OpO	Card	DataLength:					
<i>ParentValue:</i> = "Ye	es"	Data Source:	User				
Hamiast Cadaa							

Harvest Codes:

Code: Value: 1 Yes 2 No

Long Name:	Other Card-ASD	SeqNo:	5240
Short Name:	OCarASD	Core:	Yes
Section Nam	e: Other Cardiac Procedures	Harvest:	Yes
DBTableNar	ne AdultData		
Definition:	Indicate whether the patient had an Atrial Septal Defect Repair either in con- primary surgical procedure including but not limited to ASD, Secundum; AS PFO.	,	

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No
		ModelField:	No	PQRIField: No
Parent Long Name:	Other Card	Format:		categorical values led by STS)
ParentShortName: 0	OpOCard	DataLength:		
ParentValue:	= "Yes"	Data Source:	User	

Harvest Codes:

<u>Code:</u> <u>Value:</u> 1 Ves

I	Yes
2	No

Long Name:	Other Card-ASD-Type	SeqNo:	5241
Short Name:	OCarASDTy	Core:	Yes
Section Name.	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

Definition: Indicate the type of Atrial Septal Defect.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Other Card-ASD	Format:	Text (categorical values specified by STS)
ParentShortName:	OCarASD	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	s and Value Definitions:		
Cod	e: <u>Value:</u>	Definition	<u>1:</u>
	l Secundum	most com primum, l	confined to the region of the fossa ovalis; its mon etiology is a deficiency of the septum out deficiency of the limbus or septum n may also contribute.
2	2 Sinus Venosus	An ASD	with a vena cava or pulmonary vein (or veins)

3 PFO

that overrides the atrial septum or the superior interatrial
fold (septum secundum) producing an interatrial or
anomalous venoatrial communication. Although the
term sinus venosus atrial septal defect is commonly
used, the lesion is more properly termed a sinus venosus
communication because, while it functions as an
interatrial communication, this lesion is not a defect of
the true atrial septum.

Small interatrial communication in the region of the foramen ovale characterized by no deficiency of the septum primum and a normal limbus with no deficiency of the septum secundum.

Long Name:	Other Card-Batista	SeqNo:	5280
Short Name:	OCarBati	Core:	No
Section Name.	Other Cardiac Procedures	Harvest:	No

DBTableName AdultData

*Definition:* Indicate whether the patient had a Left Ventricular Reduction Myoplasty either in conjunction with, or as the primary surgical procedure. Left Ventricular Reduction Myoplasty is a procedure whereby left ventricular myocardium is excised to reduce left ventricular volume in patients with a dilated cardiomyopathy, with or without mitral valve replacement or repair. If a concomitant valve procedure is performed, please check that category also.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: Yes
Parent Long Name:	Other Card	Format:	Text (categorical values specified by STS)
ParentShortName:	OpOCard	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Codes	:		
Code	<u>: Value:</u>		
1	Yes		
2	No		

STS Adult Cardia	ic Database					Versio	on: 2.73
Long Name: 0	Other Card-Surgical Ventricula	ar Restoration				SeqNo:	5290
Short Name: 0	OCarSVR					Core:	Yes
Section Name: C	Other Cardiac Procedures					Harvest:	Yes
DBTableName	AdultData						
the geo pro	icate whether the patient had a primary surgical procedure. Sometry of the heart after an ant cedure. This SVR procedure I from a Batista procedure (lef	Surgical Ventricular E erior MI. They inclu is distinct from an an	Restora ide the iterior le	tion are proce Dor procedure eft ventricular	dures e or th aneur	that restore t e SAVER	he
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Nar	ne: Other Card	Format:		(categorical va ied by STS)	alues		
ParentShortNam	e: OpOCard	DataLength:					
ParentValue:	= "Yes"	Data Source:	User				
Harvest C	odes:						
<u>(</u>	Code: Value:						
	1 Yes						
	2 No						
Long Name: 0	Other Card-Congenital					SeqNo:	5300
Short Name:	OCarCong					Core:	Yes
Section Name: C	Other Cardiac Procedures					Harvest:	Yes
DBTableName	AdultData						
	icate whether the patient had a nary surgical procedure.	a congenital defect re	epair eit	her in conjund	ction v	with, or as the	e
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Nar	ne: Other Card	Format:		(categorical va ied by STS)	alues		
ParentShortNam	e: OpOCard	DataLength:					
ParentValue:	= "Yes"	Data Source:	User				
Harvest C	odes:						
<u>(</u>	Code: Value:						
	1 Yes						

Long Name: Other Card-Congenital Diagnosis 1	<i>SeqNo:</i> 5310
Short Name: OCarCongDiag1	<i>Core:</i> Yes
Section Name: Other Cardiac Procedures	Harvest: Yes
DBTableName AdultData	
<i>Definition:</i> Indicate the first of the three most signifi	icant congenital diagnoses.
	ACCField: Not mapped
0 0 0	ReportField: NQFField: ModelField: PQRIField:
Parent Long Name: Other Card-Congenital	Format: Text (categorical values specified by STS)
ParentShortName: OCarCong	DataLength:
ParentValue: = "Yes"	Data Source: User
Harvest Codes and Value Definitions:	
Code: Value:	Definition:
10 PFO	Small interatrial communication in the region of the foramen ovale characterized by no deficiency of the septum primum and a normal limbus with no deficiency of the septum secundum.
20 ASD, Secundum	An ASD confined to the region of the fossa ovalis; its most common etiology is a deficiency of the septum primum, but deficiency of the limbus or septum secundum may also contribute.
30 ASD, Sinus venosus	Indicate if the patient has the diagnosis of "ASD, Sinus venosus". An "ASD, Sinus venosus" is defined as a defect with a vena cava or pulmonary vein (or veins) that overrides the atrial septum or the superior interatrial fold (septum secundum) producing an interatrial or anomalous venoatrial communication. Although the term sinus venosus atrial septal defect is commonly used, the lesion is more properly termed a sinus venosus communication because, while it functions as an interatrial communication, this lesion is not a defect of the true atrial septum.
40 ASD, Coronary sinus	Deficiency of the wall (sinus septum) separating the left atrium from the coronary sinus, often allowing blood to shunt from the left atrium to the right atrium via the coronary sinus ostium. May or may not be associated with a persistent left superior vena cava.
50 ASD, Common atrium (single atrium)	Complete absence of the interatrial septum. "Single atrium" is applied to defects with no associated malformation of the atrioventricular valves. "Common atrium" is applied to defects with associated malformation of the atrioventricular valves.
71 VSD, Type 1 (Subarterial)	A VSD that lies beneath the semilunar valve(s) in the

(Supracristal) (Conal septal defect) (Infundibular)

- 73 VSD, Type 2 (Perimembranous) (Paramembranous) (Conoventricular)
- 75 VSD, Type 3 (Inlet) (AV canal type)
- 77 VSD, Type 4 (Muscular)
- 79 VSD, Type: Gerbode type (LV-RA communication)
- 80 VSD, Multiple
- 100 AVC (AVSD), Complete (CAVSD)

conal or outlet septum.

A VSD that is confluent with and involves the membranous septum and is bordered by an atrioventricular valve, not including type 3 VSDs.

A VSD that involves the inlet of the right ventricular septum immediately inferior to the AV valve apparatus.

A VSD completely surrounded by muscle.

A rare form of VSD in which the defect is at the membranous septum; the communication is between the left ventricle and right atrium.

More than one VSD exists. Each individual VSD may be coded separately to specify the individual VSD types.

Indicate if the patient has the diagnosis of "AVC (AVSD), Complete (CAVSD)". An "AVC (AVSD), Complete (CAVSD)" is a "complete atrioventricular canal" or a "complete atrioventricular septal defect" and occurs in a heart with the phenotypic feature of a common atrioventricular junction. An "AVC (AVSD), Complete (CAVSD)" is defined as an AVC with a common AV valve and both a defect in the atrial septum just above the AV valve (ostium primum ASD [a usually crescent-shaped ASD in the inferior (posterior) portion of the atrial septum just above the AV valve]) and a defect in the ventricular septum just below the AV valve. The AV valve is one valve that bridges both the right and left sides of the heart. Balanced AVC is an AVC with two essentially appropriately sized ventricles. Unbalanced AVC is an AVC defect with two ventricles in which one ventricle is inappropriately small. Such a patient may be thought to be a candidate for biventricular repair, or, alternatively, may be managed as having a functionally univentricular heart. AVC lesions with unbalanced ventricles so severe as to preclude biventricular repair should be classified as single ventricles. Rastelli type A: The common superior (anterior) bridging leaflet is effectively split in two at the septum. The left superior (anterior) leaflet is entirely over the left ventricle and the right superior (anterior) leaflet is similarly entirely over the right ventricle. The division of the common superior (anterior) bridging leaflet into left and right components is caused by extensive attachment of the superior (anterior) bridging leaflet to the crest of the ventricular septum by chordae tendineae. Rastelli type B: Rare, involves anomalous papillary muscle attachment from the right side of the ventricular septum to the left side of the common superior (anterior) bridging leaflet. Rastelli type C: Marked bridging of the ventricular septum by the superior (anterior) bridging leaflet, which

		floats freely (often termed a "free-floater") over the ventricular septum without chordal attachment to the crest of the ventricular septum.
110	AVC (AVSD), Intermediate (transitional)	An AVC with two distinct left and right AV valve orifices but also with both an ASD just above and a VSD just below the AV valves. While these AV valves in the intermediate form do form two separate orifices they remain abnormal valves. The VSD is often restrictive.
120	AVC (AVSD), Partial (incomplete) (PAVSD) (ASD, primum)	An AVC with an ostium primum ASD (a usually crescent-shaped ASD in the inferior (posterior) portion of the atrial septum just above the AV valve) and varying degrees of malformation of the left AV valve leading to varying degrees of left AV valve regurgitation. No VSD is present.
140	AP window (aortopulmonary window)	Indicate if the patient has the diagnosis of "AP window (aortopulmonary window)". An "AP window (aortopulmonary window)" is defined as a defect with side-to-side continuity of the lumens of the aorta and pulmonary arterial tree, which is distinguished from common arterial trunk (truncus arteriosus) by the presence of two arterial valves or their atretic remnants. (In other words, an aortopulmonary window is a communication between the main pulmonary artery and ascending aorta in the presence of two separate semilunar [pulmonary and aortic] valves. The presence of two separate semilunar valves distinguishes AP window from truncus arteriosus. Type 1 proximal defect: AP window located just above the sinus of Valsalva, a few millimeters above the semilunar valves, with a superior rim but little inferior rim separating the AP window from the semilunar valves. Type 2 distal defect: AP window located in the uppermost portion of the ascending aorta, with a well-formed inferior rim but little superior rim. Type 3 total defect: AP window involving the majority of the ascending aorta, with little superior and inferior rims. The intermediate type of AP window is similar to the total defect but with adequate superior and inferior rims. In the event of AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and AP window separately to provide further documentation about the individual interrupted arch and AP window types.)
150	Pulmonary artery origin from ascending aorta (hemitruncus)	One pulmonary artery arises from the ascending aorta and the other pulmonary artery arises from the right ventricle. DOES NOT include origin of the right or left pulmonary artery from the innominate artery or the aortic arch via a patent ductus arteriosus or collateral

artery.

iun Carulac Data	ubuoo	
160	Truncus arteriosus	Indicate if the patient has the diagnosis of "Truncus arteriosus". A truncus arteriosus is also known as a common arterial trunk and is defined as a heart in which a single arterial trunk arises from the heart, giving origin to the coronary arteries, the pulmonary arteries, and the systemic arterial circulation. In the majority of instances there is a ventricular septal defect and a single semilunar valve which may contain two, three, four, or more leaflets and is occasionally dysplastic. Often, the infundibular septum is virtually absent superiorly. In most instances the truncal valve overrides the true interventricular septum (and thus both ventricles), but very rarely the truncal valve may override the right ventricle entirely. In such instances, there may be no ventricular septal defect or a very small ventricular septal defect, in which case the left ventricle and mitral valve may be extremely hypoplastic.
170	Truncal valve insufficiency	Functional abnormality - insufficiency - of the truncal valve. May be further subdivided into grade of insufficiency (I, II, III, IV or mild, moderate, severe).
2010	Truncus arteriosus + Interrupted aortic arch	Indicate if the patient has the diagnosis of "Truncus arteriosus + Interrupted aortic arch". {A truncus arteriosus is also known as a common arterial trunk and is defined as a heart in which a single arterial trunk arises from the heart, giving origin to the coronary arteries, the pulmonary arteries, and the systemic arterial circulation. In the majority of instances there is a ventricular septal defect and a single semilunar valve which may contain two, three, four, or more leaflets and is occasionally dysplastic. The infundibular septum is virtually absent superiorly. In most instances the truncal valve overrides the true interventricular septum (and thus both ventricles), but very rarely the truncal valve may override the right ventricle entirely. If in such case there is no ventricular septal defect, then the left ventricle and mitral valve may be extremely hypoplastic.} {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.}
180	Partial anomalous pulmonary venous connection (PAPVC)	Some, but not all of the pulmonary veins connect to the right atrium or to one or more of its venous tributaries. This definition excludes sinus venosus defects with normally connected but abnormally draining pulmonary veins (the pulmonary veins may drain abnormally into the right atrium via the atrial septal defect).

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190	Partial anomalous pulmonary venous connection (PAPVC), scimitar	The right pulmonary vein(s) connect anomalously to the inferior vena cava or to the right atrium at the insertion of the inferior vena cava. The descending vertical vein resembles a scimitar (Turkish sword) on frontal chest x-ray. Frequently associated with: hypoplasia of the right lung with bronchial anomalies; dextroposition and/or dextrorotation of the heart; hypoplasia of the right pulmonary artery; and anomalous subdiaphragmatic systemic arterial supply to the lower lobe of the right lung directly from the aorta or its main branches.
200	Total anomalous pulmonary venous connection (TAPVC), Type 1 (supracardiac)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 1 (supracardiac) TAPVC, the anomalous connection is at the supracardiac level and can be obstructed or nonobstructed.
210	Total anomalous pulmonary venous connection (TAPVC), Type 2 (cardiac)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 2 (cardiac) TAPVC, the anomalous connection is to the heart, either to the right atrium directly or to the coronary sinus. Most patients with type 2 TAPVC are nonobstructed.
220	Total anomalous pulmonary venous connection (TAPVC), Type 3 (infracardiac)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 3 (infracardiac) TAPVC, the anomalous connection is at the infracardiac level (below the diaphragm), with the pulmonary venous return entering the right atrium ultimately via the inferior vena cava. In the vast majority of patients infracardiac TAPVC is obstructed.
230	Total anomalous pulmonary venous connection (TAPVC), Type 4 (mixed)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 4 (mixed) TAPVC, the anomalous connection is at two or more of the above levels (supracardiac, cardiac, infracardiac) and can be obstructed or nonobstructed.
250	Cor triatriatum	In the classic form of cor triatriatum a membrane divides the left atrium (LA) into a posterior accessory chamber that receives the pulmonary veins and an anterior chamber (LA) that communicates with the mitral valve. In differentiating cor triatriatum from supravalvar mitral ring, in cor triatriatum the posterior compartment contains the pulmonary veins while the anterior contains the left atrial appendage and the mitral valve orifice; in supravalvar mitral ring, the anterior compartment contains only the mitral valve orifice. Cor

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		triatriatum dexter (prominent venous valve producing obstruction of the IVC and tricuspid valve) is to be coded as a systemic venous obstruction, not as a form of cor triatriatum.
260	Pulmonary venous stenosis	Any pathologic narrowing of one or more pulmonary veins. Can be further subdivided by etiology (congenital, acquired-postoperative, acquired- nonpostoperative) and extent of stenosis (diffusely hypoplastic, long segment focal/tubular stenosis, discrete stenosis).
270	Systemic venous anomaly	Anomalies of the systemic venous system (superior vena cava (SVC), inferior vena cava (IVC), brachiocephalic veins (often the innominate vein), azygos vein, coronary sinus, levo-atrial cardinal vein) arising from one or more anomalies of origin, duplication, course, or connection. Examples include abnormal or absent right SVC with LSVC, bilateral SVC, interrupted right or left IVC, azygos continuation of IVC, and anomalies of hepatic drainage. Bilateral SVC may have, among other configurations: 1) RSVC draining to the RA and the LSVC to the LA with completely unroofed coronary sinus, 2) RSVC draining to the RA and LSVC to the coronary sinus which drains (normally) into the RA, or 3) RSVC to the coronary sinus which drains (abnormally) into the LA and LSVC to LA. Anomalies of the inferior vena caval system include, among others: 1) left IVC to LA, 2) biatrial drainage, or 3) interrupted IVC (left or right) with azygos continuation to an LSVC or RSVC.
280	Systemic venous obstruction	Obstruction of the systemic venous system (superior vena cava (SVC), inferior vena cava (IVC), brachiocephalic veins (often the innominate vein), azygos vein, coronary sinus, levo-atrial cardinal vein) arising from congenital or acquired stenosis or occlusion. Cor triatriatum dexter (prominent venous valve producing obstruction of the IVC and tricuspid valve) is to be coded as a systemic venous obstruction, not as a form of cor triatriatum.
290	TOF	Indicate if the patient has the diagnosis of "TOF". Only use this diagnosis if it is NOT known if the patient has one of the following four more specific diagnoses: (1). "TOF, Pulmonary stenosis", (2). "TOF, AVC (AVSD)", (3). "TOF, Absent pulmonary valve", (4). " Pulmonary atresia, VSD (Including TOF, PA)", or (5). " Pulmonary atresia, VSD-MAPCA (pseudotruncus)".{" TOF" is "Tetralogy of Fallot" and is defined as a group of malformations with biventricular atrioventricular alignments or connections characterized by anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing or atresia of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the

aorta. Hearts with tetralogy of Fallot will always have a ventricular septal defect, narrowing or atresia of the pulmonary outflow, and aortic override; hearts with tetralogy of Fallot will most often have right ventricular hypertrophy.} (An additional, often muscular [Type 4] VSD may be seen with TOF and should be coded separately as a secondary diagnosis as "VSD, Type 4 (Muscular)". Pulmonary arteries may be diminutive or there may be an absent left or right pulmonary artery; additional coding for pulmonary artery and/or branch pulmonary artery stenoses may be found under RVOT obstruction. Abnormal coronary artery distribution may also be associated with tetralogy of Fallot and may be coded separately under coronary artery anomalies. The presence of associated anomalies such as additional VSD, atrial septal defect, right aortic arch, left superior vena cava, and coronary artery anomalies must be subspecified as an additional or secondary diagnosis under the primary TOF diagnosis. TOF with absent pulmonary valve or TOF with associated complete atrioventricular canal are NOT to be secondary diagnoses under TOF - they are separate entities and should be coded as such. Controversy surrounds the differentiation between TOF and double outlet right ventricle [DORV]; in the nomenclature used here, DORV is defined as a type of ventriculoarterial connection in which both great vessels arise predominantly from the right ventricle. TOF with pulmonary atresia is to be coded under "Pulmonary atresia-VSD.")

Indicate if the patient has the diagnosis of "TOF, Pulmonary stenosis". Use this diagnosis if the patient has tetralogy of Fallot and pulmonary stenosis. Do not use this diagnosis if the patient has tetralogy of Fallot and pulmonary atresia. Do not use this diagnosis if the patient has tetralogy of Fallot and absent pulmonary valve. Do not use this diagnosis if the patient has tetralogy of Fallot and atrioventricular canal. {Tetralogy of Fallot is defined as a group of malformations with biventricular atrioventricular alignments or connections characterized by anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing or atresia of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta. Hearts with tetralogy of Fallot will always have a ventricular septal defect, narrowing or atresia of the pulmonary outflow, and aortic override; hearts with tetralogy of Fallot will most often have right ventricular hypertrophy. (An additional, often muscular [Type 4] VSD may be seen with TOF and should be coded separately as a secondary diagnosis as "VSD, Type 4 (Muscular)". Pulmonary arteries may be diminutive or

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		there may be an absent left or right pulmonary artery; additional coding for pulmonary artery and/or branch pulmonary artery stenoses may be found under RVOT obstruction. Abnormal coronary artery distribution may also be associated with tetralogy of Fallot and may be coded separately under coronary artery anomalies. The presence of associated anomalies such as additional VSD, atrial septal defect, right aortic arch, left superior vena cava, and coronary artery anomalies must be subspecified as an additional or secondary diagnosis under the primary TOF diagnosis. TOF with absent pulmonary valve or TOF with associated complete atrioventricular canal are NOT to be secondary diagnoses under TOF - they are separate entities and should be coded as such. Controversy surrounds the differentiation between TOF and double outlet right ventricle [DORV]; in the nomenclature used here, DORV is defined as a type of ventriculoarterial connection in which both great vessels arise predominantly from the right ventricle. TOF with pulmonary atresia is to be coded under "Pulmonary atresia-VSD.")}
300	TOF, AVC (AVSD)	TOF with complete common atrioventricular canal defect is a rare variant of common atrioventricular canal defect with the associated conotruncal abnormality of TOF. The anatomy of the endocardial cushion defect is that of Rastelli type C in almost all cases.
310	TOF, Absent pulmonary valve	Indicate if the patient has the diagnosis of "TOF, Absent pulmonary valve". "TOF, Absent pulmonary valve" is " Tetralogy of Fallot with Absent pulmonary valve" and is defined as a malformation with all of the morphologic characteristics of tetralogy of Fallot (anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta), in which the ventriculo-arterial junction of the right ventricle with the main pulmonary artery features an atypical valve with rudimentary cusps that lack the anatomical semi- lunar features of normal valve cusps and which functionally do not achieve central coaptation. The physiologic consequence is usually a combination of variable degrees of both stenosis and regurgitation of the pulmonary artery and central right and left pulmonary arteries, which when extreme, is associated with abnormal arborization of lobar and segmental pulmonary artery branches and with compression of the trachea and mainstem bronchi. One theory holds that absence of the arterial duct or ductal ligament (which is a nearly constant finding in cases of tetralogy of Fallot with absent pulmonary valve) in combination with

		pulmonary `valve stenosis and regurgitation, comprise the physiologic conditions which predispose to central pulmonary artery dilatation during fetal development. (Tetralogy of Fallot with Absent Pulmonary Valve Syndrome is a term frequently used to describe the clinical presentation when it features both circulatory alterations and respiratory distress secondary to airway compression.)
320	Pulmonary atresia	Pulmonary atresia defects which do not readily fall into pulmonary atresia-intact ventricular septum or pulmonary atresia-VSD (with or without MAPCAs) categories. These may include complex lesions in which pulmonary atresia is a secondary diagnosis, for example, complex single ventricle malformations with associated pulmonary atresia.
330	Pulmonary atresia, IVS	Pulmonary atresia (PA) and intact ventricular septum (IVS) is a duct-dependent congenital malformation that forms a spectrum of lesions including atresia of the pulmonary valve, a varying degree of right ventricle and tricuspid valve hypoplasia, and anomalies of the coronary circulation. An RV dependent coronary artery circulation is present when coronary artery fistulas (coronary sinusoids) are associated with a proximal coronary artery stenosis. Associated Ebstein's anomaly of the tricuspid valve can be present; the tricuspid diameter is enlarged and the prognosis is poor.
340	Pulmonary atresia, VSD (Including TOF, PA)	Pulmonary atresia (PA) and ventricular septal defect (VSD) is a heterogeneous group of congenital cardiac malformations in which there is lack of luminal continuity and absence of blood flow from either ventricle (in cases with ventriculo-arterial discordance) and the pulmonary artery, in a biventricular heart that has an opening or a hole in the interventricular septum (VSD). The malformation forms a spectrum of lesions including tetralogy of Fallot with pulmonary atresia. Tetralogy of Fallot with PA is a specific type of PA- VSD where the intracardiac malformation is more accurately defined (extreme underdevelopment of the RV infundibulum with marked anterior and leftward displacement of the infundibular septum often fused with the anterior wall of the RV resulting in complete obstruction of blood flow into the pulmonary artery and associated with a large outlet, subaortic ventricular septal defect). In the vast majority of cases of PA-VSD the intracardiac anatomy is that of TOF. The pulmonary circulation in PA-VSD is variable in terms of origin of blood flow, presence or absence of native pulmonary arteries, presence or absence of major aortopulmonary collateral arteries (MAPCA(s)), and distal distribution (pulmonary parenchymal segment arborization) abnormalities. Native pulmonary arteries may be present or absent. If MAPCAs are present this code

should not be used; instead, Pulmonary atresia, VSD-

		MAPCA (pseudotruncus) should be used.
350	Pulmonary atresia, VSD- MAPCA (pseudotruncus)	MAPCA(s) are large and distinct arteries, highly variable in number, that usually arise from the descending thoracic aorta, but uncommonly may originate from the aortic arch or the subclavian, carotid or even the coronary arteries. MAPCA(s) may be associated with present or absent native pulmonary arteries. If present, the native pulmonary arteries may be hypoplastic, and either confluent or nonconfluent. Systemic pulmonary collateral arteries have been categorized into 3 types based on their site of origin and the way they connect to the pulmonary circulation: direct aortopulmonary collaterals, indirect aortopulmonary collaterals, and true bronchial arteries. Only the first two should be considered MAPCA(s). If MAPCA(s) are associated with PA-VSD or TOF, PA this code should be used.
360	MAPCA(s) (major aortopulmonary collateral[s]) (without PA-VSD)	Rarely MAPCA(s) may occur in patents who do not have PA-VSD, but have severe pulmonary stenosis. The intracardiac anatomy in patients who have MAPCA(s) without PA should be specifically coded in each case as well.
370	Ebstein's anomaly	Indicate if the patient has the diagnosis of "Ebstein's anomaly". Ebstein's anomaly is a malformation of the tricuspid valve and right ventricle that is characterized by a spectrum of several features: (1) incomplete delamination of tricuspid valve leaflets from the myocardium of the right ventricle; (2) downward (apical) displacement of the functional annulus; (3) dilation of the "atrialized" portion of the right ventricle with variable degrees of hypertrophy and thinning of the wall; (4) redundancy, fenestrations, and tethering of the anterior leaflets; and (5) dilation of the right atrioventricular junction (the true tricuspid annulus). These anatomical and functional abnormalities cause tricuspid regurgitation (and rarely tricuspid stenosis) that results in right atrial and right ventricular dilatation and atrial and ventricular arrhythmias. With increasing degrees of anatomic severity of malformation, the fibrous transformation of leaflets from their muscular precursors remains incomplete, with the septal leaflet being most severely involved, the posterior leaflet less severely involved, and the anterior leaflet usually the least severely involved. Associated cardiac anomalies include an interatrial communication, the presence of accessory conduction pathways often associated with Wolff-Parkinson-White syndrome, and dilation of the

right atrium and right ventricle in patients with severe Ebstein's anomaly. (Varying degrees of right ventricular outflow tract obstruction may be present, including pulmonary atresia in some cases. Such cases

		of Ebstein's anomaly with pulmonary atresia should be coded with a Primary Diagnosis of "Ebstein's anomaly" , and a Secondary Diagnosis of "Pulmonary atresia".) (Some patients with atrioventricular discordance and ventriculoarterial discordance in situs solitus [congenitally corrected transposition] have an Ebstein- like deformity of the left-sided morphologically tricuspid valve. The nature of the displacement of the septal and posterior leaflets is similar to that in right- sided Ebstein's anomaly in patients with atrioventricular concordance and ventriculoarterial concordance in situs solitus. These patients with "Congenitally corrected TGA" and an Ebstein-like deformity of the left-sided morphologically tricuspid valve should be coded with a Primary Diagnosis of "Congenitally corrected TGA", and a Secondary Diagnosis of "Ebstein's anomaly".)
380	Tricuspid regurgitation, non- Ebstein's related	Non-Ebstein's tricuspid regurgitation may be due to congenital factors (primary annular dilation, prolapse, leaflet underdevelopment, absent papillary muscle/chordae) or acquired (post cardiac surgery or secondary to rheumatic fever, endocarditis, trauma, tumor, cardiomyopathy, iatrogenic or other causes).
390	Tricuspid stenosis	Tricuspid stenosis may be due to congenital factors (valvular hypoplasia, abnormal subvalvar apparatus, double-orifice valve, parachute deformity) or acquired (post cardiac surgery or secondary to carcinoid, rheumatic fever, tumor, systemic disease, iatrogenic, or other causes).
400	Tricuspid regurgitation and tricuspid stenosis	Tricuspid regurgitation present with tricuspid stenosis may be due to congenital factors or acquired.
410	Tricuspid valve, Other	Tricuspid valve pathology not otherwise specified in diagnosis definitions 370, 380, 390 and 400.
420	Pulmonary stenosis, Valvar	Pulmonary stenosis, Valvar ranges from critical neonatal pulmonic valve stenosis with hypoplasia of the right ventricle to valvar pulmonary stenosis in the infant, child, or adult, usually better tolerated but potentially associated with infundibular stenosis. Pulmonary branch hypoplasia can be associated. Only 10% of neonates with Pulmonary stenosis, Valvar with intact ventricular septum have RV-to-coronary artery fistula(s). An RV dependent coronary artery circulation is present when coronary artery fistulas (coronary sinusoids) are associated with a proximal coronary artery stenosis; this occurs in only 2% of neonates with Pulmonary stenosis, Valvar with IVS.
430	Pulmonary artery stenosis (hypoplasia), Main (trunk)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis (hypoplasia), Main (trunk)". " Pulmonary artery stenosis (hypoplasia), Main (trunk)" is defined as a congenital or acquired anomaly with pulmonary trunk (main pulmonary artery) narrowing or hypoplasia. The stenosis or hypoplasia may be isolated

		or associated with other cardiac lesions. Since the narrowing is distal to the pulmonic valve, it may also be known as supravalvar pulmonary stenosis.
440	Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)". "Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)" is defined as a congenital or acquired anomaly with central pulmonary artery branch (within the hilar bifurcation involving the right or left pulmonary artery, or both) narrowing or hypoplasia. The stenosis or hypoplasia may be isolated or associated with other cardiac lesions. Coarctation of the pulmonary artery is related to abnormal extension of the ductus arteriosus into a pulmonary branch, more frequently the left branch.
450	Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)". "Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)" is defined as a congenital or acquired anomaly with peripheral pulmonary artery narrowing or hypoplasia (at or beyond the hilar bifurcation). The stenosis or hypoplasia may be isolated or associated with other cardiac lesions.
470	Pulmonary artery, Discontinuous	Indicate if the patient has the diagnosis of "Pulmonary artery, Discontinuous". Pulmonary artery, Discontinuous" is defined as a congenital or acquired anomaly with discontinuity between the branch pulmonary arteries or between a branch pulmonary artery and the main pulmonary artery trunk.
490	Pulmonary stenosis, Subvalvar	Subvalvar (infundibular) pulmonary stenosis is a narrowing of the outflow tract of the right ventricle below the pulmonic valve. It may be due to a localized fibrous diaphragm just below the valve, an obstructing muscle bundle or to a long narrow fibromuscular channel.
500	DCRV	The double chambered right ventricle is characterized by a low infundibular (subvalvar) stenosis rather than the rare isolated infundibular stenosis that develops more superiorly in the infundibulum, and is often associated with one or several closing VSDs. In some cases, the VSD is already closed. The stenosis creates two chambers in the RV, one inferior including the inlet and trabecular portions of the RV and one superior including the infundibulum.
510	Pulmonary valve, Other	Other anomalies of the pulmonary valve may be listed here including but not restricted to absent pulmonary valve.
530	Pulmonary insufficiency	Pulmonary valve insufficiency or regurgitation may be due to congenital factors (primary annular dilation, prolapse, leaflet underdevelopment, etc.) or acquired

		(for example, post cardiac surgery for repair of tetralogy of Fallot, etc.).
540	Pulmonary insufficiency and pulmonary stenosis	Pulmonary valve insufficiency and pulmonary stenosis beyond the neonatal period, in infancy and childhood, may be secondary to leaflet tissue that has become thickened and myxomatous. Retraction of the commissure attachment frequently creates an associated supravalvar stenosis.
2130	Shunt failure	Indicate if the patient has the diagnosis of "Shunt failure ". This diagnostic subgroup includes failure of any of a variety of shunts ("Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)", "Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)", "Shunt, Systemic to pulmonary, Other", and "Sano Shunt"), secondary to any of the following etiologies: shunt thrombosis, shunt occlusion, shunt stenosis, shunt obstruction, and shunt outgrowth. This diagnosis ("Shunt failure") would be the primary diagnosis in a patient with, for example, " Hypoplastic left heart syndrome (HLHS)" who underwent a "Norwood procedure" with a "Modified Blalock-Taussig Shunt" and now requires reoperation for thrombosis of the "Modified Blalock-Taussig Shunt" . The underlying or fundamental diagnosis in this patient is "Hypoplastic left heart syndrome (HLHS)", but the primary diagnosis for the operation to be performed to treat the thrombosis of the "Modified Blalock-Taussig Shunt" would be "Shunt failure".
		Please note that the choice "2130 Shunt failure" does not include "520 Conduit failure".
520	Conduit failure	Indicate if the patient has the diagnosis of "Conduit failure". This diagnostic subgroup includes failure of any of a variety of conduits (ventricular [right or left]-to- PA conduits, as well as a variety of other types of conduits [ventricular {right or left}-to-aorta, RA-to-RV, etc.]), secondary to any of the following etiologies: conduit outgrowth, obstruction, stenosis, insufficiency, or insufficiency and stenosis. This diagnosis ("Conduit failure") would be the primary diagnosis in a patient with, for example, "Truncus arteriosus" repaired in infancy who years later is hospitalized because of conduit stenosis/insufficiency. The underlying or fundamental diagnosis in this patient is "Truncus arteriosus", but the primary diagnosis for the operation to be performed during the hospitalization (in this case, " Conduit reoperation") would be "Conduit failure".
		Please note that the choice "520 Conduit failure" does not include "2130 Shunt failure".
550	Aortic stenosis, Subvalvar	Subaortic obstruction can be caused by different lesions: subaortic membrane or tunnel, accessory mitral

		valve tissue, abnormal insertion of the mitral anterior leaflet to the ventricular septum, deviation of the outlet septum (seen in coarctation of the aorta and interrupted aortic arch), or a restrictive bulboventricular foramen in single ventricle complexes. The Shone complex consists of subvalvar aortic stenosis in association with supravalvar mitral ring, parachute mitral valve, and coarctation of aorta. Subvalvar aortic stenosis may be categorized into two types: localized subvalvar aortic stenosis, which consists of a fibrous or fibromuscular ridge, and diffuse tunnel subvalvar aortic stenosis, in which circumferential narrowing commences at the annular level and extends downward for 1-3 cm. Idiopathic hypertrophic subaortic stenosis (IHSS) is also know as hypertrophic obstructive cardiomyopathy (HOCM), and is characterized by a primary hypertrophy of the myocardium. The obstructive forms involve different degrees of dynamic subvalvar aortic obstruction from a thickened ventricular wall and anterior motion of the mitral valve. Definitive nomenclature and therapeutic options for IHSS are listed under cardiomyopathy.
560	Aortic stenosis, Valvar	Valvar aortic stenosis may be congenital or acquired. In its congenital form there are two types: critical (infantile), seen in the newborn in whom systemic perfusion depends on a patent ductus arteriosus, and noncritical, seen in infancy or later. Acquired valvar stenosis may be seen after as a result of rheumatic valvar disease, or from stenotic changes of an aortic valve prosthesis. Congenital valvar stenosis may result: (1) from complete fusion of commissures (acommissural) that results in a dome-shaped valve with a pinpoint opening (seen most commonly in infants with critical aortic valve stenosis); (2) from a unicommissural valve with one defined commissure and eccentric orifice (often with two raphes radiating from the ostium indicating underdeveloped commissures of a tricuspid aortic valve); (3) from a bicuspid aortic valve, with leaflets that can be equal in size or discrepant, and in left-right or anterior-posterior position; and finally (4) from a dysplastic tricuspid valve, which may have a gelatinous appearance with thick rarely equal in size leaflets, often obscuring the commissures. The dysplastic, tricuspid or bicuspid form of aortic valve deformity may not be initially obstructive but may become stenotic later in life due to leaflet thickening and calcification.
570	Aortic stenosis, Supravalvar	Congenital supravalvar aortic stenosis is described as three forms: an hourglass deformity, a fibrous membrane, and a diffuse narrowing of the ascending aorta. The disease can be inherited as an autosomal dominant trait or part of Williams-Beuren syndrome in association with mental retardation, elfin facies, failure

		to thrive, and occasionally infantile hypercalcemia. Supravalvar aortic stenosis may involve the coronary artery ostia, and the aortic leaflets may be tethered. The coronary arteries can become tortuous and dilated due to elevated pressures and early atherosclerosis may ensue. Supravalvar aortic stenosis may also be acquired: (1) after a neoaortic reconstruction such as arterial switch, Ross operation, or Norwood procedure; (2) at a suture line from a previous aortotomy or cannulation; and (3) from a narrowed conduit.
590	Aortic valve atresia	Aortic valve atresia will most often be coded under the Hypoplastic left heart syndrome/complex diagnostic codes since it most often occurs as part of a spectrum of cardiac malformations. However, there is a small subset of patients with aortic valve atresia who have a well- developed left ventricle and mitral valve and a large VSD (nonrestrictive or restrictive). The diagnostic code "Aortic valve atresia" enables users to report those patients with aortic valve atresia and a well-developed systemic ventricle without recourse to either a hypoplastic left heart syndrome/complex diagnosis or a single ventricle diagnosis.
600	Aortic insufficiency	Congenital aortic regurgitation/insufficiency is rare as an isolated entity. There are rare reports of congenital malformation of the aortic valve that result in aortic insufficiency shortly after birth from an absent or underdeveloped aortic valve cusp. Aortic insufficiency is more commonly seen with other associated cardiac anomalies: (1) in stenotic aortic valves (commonly stenotic congenital bicuspid aortic valves) with some degree of aortic regurgitation due to aortic leaflet abnormality; (2) in association with a VSD (especially in supracristal or conal type I VSD, more commonly seen in Asian populations); (3) secondary to aortic-left ventricular tunnel; (4) secondary to tethering or retraction of aortic valve leaflets in cases of supravalvar aortic stenosis that may involve the aortic valve; and similarly (5) secondary to encroachment on an aortic cusp by a subaortic membrane; or (6) turbulence caused by a stenotic jet can create progressive aortic regurgitation. Aortic insufficiency may also result from: (1) post-procedure such as closed or open valvotomy or aortic valve repair, VSD closure, balloon valvotomy, or diagnostic catheterization; (2) in the neo- aorta post arterial switch, pulmonary autograft (Ross) procedure, homograft placement, Norwood procedure, or Damus-Kaye-Stansel procedure; (3) as a result of endocarditis secondary to perforated or prolapsed leaflets or annular dehiscence; (4) secondary to annulo- aortic ectasia with prolapsed or noncoapting leaflets; (5) secondary to trauma, blunt or penetrating; or (6) as a result of aortitis, bacterial, viral or autoimmune. Aortic regurgitation secondary to prosthetic failure should be

		coded first as either conduit failure or prosthetic valve failure, as applicable, and secondarily as aortic regurgitation secondary to prosthetic failure (perivalvar or due to structural failure). The underlying fundamental diagnosis that led to the initial conduit or valve prosthesis placement should also be described.
610	Aortic insufficiency and aortic stenosis	Aortic insufficiency is often seen in association with stenotic aortic valve, commonly the stenotic congenital bicuspid aortic valve. The degree of aortic regurgitation is due to the severity of the aortic leaflet abnormality.
620	Aortic valve, Other	This diagnostic subgroup may be used to delineate aortic valve cusp number (unicuspid, bicuspid, tricuspid, more than three cusps), commissural fusion (nromal, partially fused, completely fused), and valve leaflet (normal, thickened, dysplastic, calcified, gelatinous), annulus (normal, hypoplastic, calcified), or sinus description (normal, dilated). Note that any extensive descriptors chosen within those made available by a vendor will be converted, at harvest, to Aortic valve, Other.
630	Sinus of Valsalva aneurysm	The sinus of Valsalva is defined as that portion of the aortic root between the aortic root annulus and the sinotubular ridge. A congenital sinus of Valsalva aneurysm is a dilation usually of a single sinus of Valsalva. These most commonly originate from the right sinus (65%-85%), less commonly from the noncoronary sinus (10%-30%), and rarely from the left sinus (<5%). A true sinus of Valsalva aneurysm presents above the aortic annulus. The hierarchical coding system distinguishes between congenital versus acquired, ruptured versus nonruptured, sinus of origin, and chamber/site of penetration (right atrium, right ventricle, left atrium, left ventricle, pulmonary artery, pericardium). A nonruptured congenital sinus of Valsalva aneurysm may vary from a mild dilation of a single aortic sinus to an extensive windsock deformity. Rupture of a congenital sinus of Valsalva aneurysm into an adjacent chamber occurs most commonly between the ages of 15-30 years. Rupture may occur spontaneously, after trauma, after strenuous physical exertion, or from acute bacterial endocarditis. Congenital etiology is supported by the frequent association of sinus of Valsalva aneurysms with VSDs. Other disease processes are also associated with sinus of Valsalva aneurysm and include: syphilis, endocarditis, cystic medial necrosis, atherosclerosis, and trauma. Acquired sinus of Valsalva aneurysms more frequently involve multiple sinuses of Valsalva; when present in multiple form they are more appropriately classified as aneurysms of the aortic root.
640	LV to aorta tunnel	The aortico-left ventricular tunnel (LV-to-aorta tunnel) is an abnormal paravalvular (alongside or in the vicinity

		of a valve) communication between the aorta and left ventricle, commonly divided into 4 types: (1) type I, a simple tunnel with a slit-like opening at the aortic end and no aortic valve distortion; (2) type II, a large extracardiac aortic wall aneurysm of the tunnel with an oval opening at the aortic end, with or without ventricular distortion; (3) type III, intracardiac aneurysm of the septal portion of the tunnel, with or without right ventricular outflow obstruction; and (4) type IV, a combination of types II and III. Further differentiation within these types may be notation of right coronary artery arising from the wall of the tunnel. If a LV-to-aorta tunnel communicates with the right ventricle, many feel that the defect is really a ruptured sinus of Valsalva aneurysm.
650	Mitral stenosis, Supravalvar mitral ring	Supravalvar mitral ring is formed by a circumferential ridge of tissue that is attached to the anterior mitral valve leaflet (also known as the aortic leaflet) slightly below its insertion on the annulus and to the atrium slightly above the attachment of the posterior mitral valve leaflet (also known as the mural leaflet). Depending on the diameter of the ring orifice, varying degrees of obstruction exist. The underlying valve is usually abnormal and frequently stenotic or hypoplastic. Supravalvar mitral ring is commonly associated with other stenotic lesions such as parachute or hammock valve (subvalvar stenosis), papillary muscle fusion (subvalvar stenosis), and double orifice mitral valve (valvar stenosis). Differentiation from cor triatriatum focuses on the compartments created by the supravalvar ring. In cor triatriatum the posterior compartment contains the pulmonary veins; the anterior contains the left atrial appendage and the mitral valve orifice. In supravalvar mitral ring, the posterior compartment contains the pulmonary veins and the left atrial appendage; the anterior compartment contains only the mitral valve orifice. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
660	Mitral stenosis, Valvar	Valvar mitral stenosis may arise from congenital (annular and / or leaflet) or acquired causes, both surgical (after mitral valve repair or replacement or other cardiac surgery) and non-surgical (post rheumatic heart disease, infective endocarditis, ischemia, myxomatomous degeneration, trauma, or cardiomyopathy). Mitral valve annular hypoplasia is distinguished from severe mitral valve hypoplasia and mitral valve atresia, which are typically components of hypoplastic left heart syndrome. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or

regurgitation and stenosis) should be listed as the primary defect. 670 Mitral stenosis, Subvalvar Congenital subvalvar mitral stenosis may be due to obstructive pathology of either the chordae tendineae and / or papillary muscles which support the valve leaflets. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect. 680 Mitral stenosis, Subvalvar, In parachute mitral valve, all chordae are attached to a Parachute single papillary muscle originating from the posterior ventricular wall. When the interchordal spaces are partially obliterated valvar stenosis results. This defect also causes valvar insufficiency, most commonly due to a cleft leaflet, a poorly developed anterior leaflet, short chordae, or annular dilatation. This lesion is also part of Shone's anomaly, which consists of the parachute mitral valve, supravalvar mitral ring, subaortic stenosis, and coarctation of the aorta. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect. Mitral stenosis 695 Stenotic lesions of the mitral valve not otherwise specified in the diagnosis definitions 650, 660, 670, and 680. 700 Mitral regurgitation and Mitral regurgitation and mitral stenosis may arise from mitral stenosis congenital or acquired causes or after cardiac surgery. Additional details to aid in coding specific components of the diagnosis are available in the individual mitral stenosis or mitral regurgitation field definitions. When coding multiple mitral valve lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect. 710 Mitral regurgitation Mitral regurgitation may arise from congenital (at the annular, leaflet or subvalvar level) or acquired causes both surgical (after mitral valve repair or replacement, subaortic stenosis repair, atrioventricular canal repair, cardiac transplantation, or other cardiac surgery) and non-surgical (post rheumatic heart disease, infective endocarditis, ischemia (with chordal rupture or papillary muscle infarct), myxomatomous degeneration including Barlow's syndrome, trauma, or cardiomyopathy). Congenital lesions at the annular level include annular dilatation or deformation (usually deformation is consequent to associated lesions). At the valve leaflet level, mitral regurgitation may be due to a cleft, hypoplasia or agenesis of leaflet(s), excessive leaflet tissue, or a double orifice valve. At the subvalvar level,

mitral regurgitation may be secondary to chordae

		tendineae anomalies (agenesis, rupture, elongation, or shortening as in funnel valve), or to papillary muscle anomalies (hypoplasia or agenesis, shortening, elongation, single-parachute, or multiple-hammock valve). When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
720	Mitral valve, Other	Mitral valve pathology not otherwise coded in diagnosis definitions 650 through 710.
730	Hypoplastic left heart syndrome (HLHS)	Hypoplastic left heart syndrome (HLHS) is a spectrum of cardiac malformations characterized by a severe underdevelopment of the left heart-aorta complex, consisting of aortic and/or mitral valve atresia, stenosis, or hypoplasia with marked hypoplasia or absence of the left ventricle, and hypoplasia of the ascending aorta and of the aortic arch with coarctation of the aorta. Hypoplastic left heart complex is a subset of patients at the favorable end of the spectrum of HLHS characterized by hypoplasia of the structures of the left heart-aorta complex, consisting of aortic and mitral valve hypoplasia without valve stenosis or atresia, hypoplasia of the left ventricle, hypoplasia of the left ventricular outflow tract, hypoplasia of the ascending aorta and of the aortic arch, with or without coarctation of the aorta.
2080	Shone's syndrome	Shone's syndrome is a syndrome of multilevel hypoplasia and obstruction of left sided cardiovascular structures including more than one of the following lesions: (1) supravalvar ring of the left atrium, (2) a parachute deformity of the mitral valve, (3) subaortic stenosis, and (4) aortic coarctation. The syndrome is based on the original report from Shone [1] that was based on analysis of 8 autopsied cases and described the tendency of these four obstructive, or potentially obstructive, conditions to coexist. Only 2 of the 8 cases exhibited all four conditions, with the other cases exhibited all four conditions, with the other cases exhibiting only two or three of the anomalies [2]. [1] Shone JD, Sellers RD, Anderson RG, Adams P, Lillehei CW, Edwards JE. The developmental complex of " parachute mitral valve", supravalvar ring of left atrium, subaortic stenosis, and coarctation of the aorta. Am J Cardiol 1963; 11: 714–725. [2]. Tchervenkov CI, Jacobs JP, Weinberg PM, Aiello VD, Beland MJ, Colan SD, Elliott MJ, Franklin RC, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G. The nomenclature, definition and classification of hypoplastic left heart syndrome. Cardiology in the Young, 2006; 16(4): 339–368, August 2006.

Please note that the term "2080 Shone's syndrome" may be the "Fundamental Diagnosis" of a patient; however,

		the term "2080 Shone's syndrome" may not be the " Primary Diagnosis" of an operation. The term "2080 Shone's syndrome" may be a "Secondary Diagnosis" of an operation.
740	Cardiomyopathy (including dilated, restrictive, and hypertrophic)	Cardiomyopathy is a term applied to a wide spectrum of cardiac diseases in which the predominant feature is poor myocardial function in the absence of any anatomic abnormalities. Cardiomyopathies can be dividied into three relatively easily distinguishable entities: (1) dilated, characterized by ventricular dilatation and systolic dysfunction; (2) hypertrophic, characterized by physiologically inappropriate hypertrophy of the left ventricle; and (3) restrictive, characterized by diastolic dysfunction, with a presentation often identical to constrictive pericarditis. Also included in this diagnostic category are patients with a cardiomyopathy or syndrome confined to the right ventricle, for example: (1) arrhythmogenic right ventricular dysplasia; (2) Uhl's syndrome (hypoplasia of right ventricular myocardium, parchment heart); or (3) spongiform cardiomyopathy.
750	Cardiomyopathy, End-stage congenital heart disease	Myocardial abnormality in which there is systolic and/or diastolic dysfunction in the presence of structural congenital heart disease without any (or any further) surgically correctable lesions.
760	Pericardial effusion	Inflammatory stimulation of the pericardium that results in the accumulation of appreciable amounts of pericardial fluid (also known as effusive pericarditis). The effusion may be idiopathic or acquired (e.g., postoperative, infectious, uremic, neoplastic, traumatic, drug-induced).
770	Pericarditis	Inflammatory process of the pericardium that leads to either (1) effusive pericarditis with accumulation of appreciable amounts of pericardial fluid or (2) constrictive pericarditis that leads to pericardial thickening and compression of the cardiac chambers, ultimately with an associated significant reduction in cardiac function. Etiologies are varied and include idiopathic or acquired (e.g., postoperative, infectious, uremic, neoplastic, traumatic, drug-induced) pericarditis.
780	Pericardial disease, Other	A structural or functional abnormality of the visceral or parietal pericardium that may, or may not, have a significant impact on cardiac function. Included are absence or partial defects of the pericardium.
790	Single ventricle, DILV	Single morphologically left ventricle (smooth internal walls, lack chordal attachments of AV valves to the rudimentary septal surface) that receives both atrioventricular valves.
800	Single ventricle, DIRV	Single morphologically right ventricle (more heavily trabeculated, generally have chordal attachments of AV valve to the septal surfaces) that receives both

		atrioventricular valves.
810	Single ventricle, Mitral atresia	Single ventricle anomalies with mitral atresia. May also be associated with double outlet right ventricle, congenitally corrected transposition, pulmonary atresia, or pulmonary stenosis.
820	Single ventricle, Tricuspid atresia	Single ventricle anomalies with tricuspid atresia. May also be associated with complete transposition of the great arteries, congenitally corrected transposition of the great arteries, pulmonary atresia, pulmonary stenosis, subaortic stenosis, or ventricular septal defect (small or large).
830	Single ventricle, Unbalanced AV canal	Single ventricle anomalies with a common atrioventricular (AV) valve and only one completely well developed ventricle. If the common AV valve opens predominantly into the morphologic left ventricle, the defect is termed a left ventricular (LV)–type or LV- dominant AV septal defect. If the common AV valve opens predominantly into the morphologic right ventricle, the defect is termed a right ventricular (RV)– type or RV-dominant AV septal defect.
840	Single ventricle, Heterotaxia syndrome	Visceral heterotaxy syndrome is literally defined as a pattern of anatomic organization of the thoracic and abdominal organs that is neither the expected usual or normal arrangement (so-called situs solitus) nor complete situs inversus (the unusual or mirror-image arrangement of normal). If asymmetry of the thoracic and abdominal viscera is the usual or normal situation, visceral heterotaxy syndrome includes patients with an unusual degree of thoracic and abdominal visceral symmetry. This broad term includes patients with a wide variety of complex cardiac lesions. One way to impose order on this diverse group of cardiac lesions is to stratify them according to the morphology of the atrial appendages. In atrial appendage isomerism, both atrial appendages are similar rather than displaying their usual distinctive morphology. Right or left atrial appendage isomerism exists when both atria have right or left atrial appendage morphologic characteristics, respectively. Right atrial appendage isomerism is frequently associated with bilaterally trilobed lungs (each with short bronchi) and asplenia. Left atrial appendage isomerism frequently is associated with bilaterally bilobed lungs (each with long bronchi) and polysplenia. Many types of anomalies of systemic venous connection are frequently associated with heterotaxy syndrome.Visceral heterotaxy syndrome is literally defined as a pattern of anatomic organization of the thoracic and abdominal organs that is neither the expected usual or normal arrangement (so-called situs solitus) nor complete situs inversus (the unusual or mirror-image arrangement of normal). If asymmetry of the thoracic and abdominal viscera is the usual or

Single ventricle, Other

Single Ventricle + Total

connection (TAPVC)

anomalous pulmonary venous

850

851

normal situation, visceral heterotaxy syndrome includes patients with an unusual degree of thoracic and abdominal visceral symmetry. This broad term includes patients with a wide variety of complex cardiac lesions. One way to impose order on this diverse group of cardiac lesions is to stratify them according to the morphology of the atrial appendages. In atrial appendage isomerism, both atrial appendages are similar rather than displaying their usual distinctive morphology. Right or left atrial appendage isomerism exists when both atria have right or left atrial appendage morphologic characteristics, respectively. Right atrial appendage isomerism is frequently associated with bilaterally trilobed lungs (each with short bronchi) and asplenia. Left atrial appendage isomerism frequently is associated with bilaterally bilobed lungs (each with long bronchi) and polysplenia. Many types of anomalies of systemic venous connection are frequently associated with heterotaxy syndrome. If the single ventricle is of primitive or indeterminate

type, other is chosen in coding. It is recognized that a considerable variety of other structural cardiac malformations (e.g., biventricular hearts with straddling atrioventricular valves, pulmonary atresia with intact ventricular septum, some complex forms of double outlet right ventricle) may at times be best managed in a fashion similar to that which is used to treat univentricular hearts. They are not to be coded in this section of the nomenclature, but according to the underlying lesions.

Indicate if the patient has the diagnosis of "Single Ventricle + Total anomalous pulmonary venous connection (TAPVC)". In the event of Single Ventricle occurring in association with Total anomalous pulmonary venous connection (TAPVC), code "Single Ventricle + Total anomalous pulmonary venous connection (TAPVC)", and then use additional (secondary) diagnostic codes to describe the Single Ventricle and the Total anomalous pulmonary venous connection (TAPVC) separately to provide further documentation about the Single Ventricle and Total anomalous pulmonary venous connection (TAPVC) types. {"Total anomalous pulmonary venous connection (TAPVC)" is defined as a heart where all of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium.} {The version of the IPCCC derived from the International Congenital Heart Surgery Nomenclature and Database Project of the EACTS and STS uses the term "single ventricle" as synonymous for the "functionally univentricular heart". (The functionally univentricular heart is defined as a spectrum of cardiac

malformations in which entire ventricular mass is functionally univentricular; in other words, whenever only one ventricle is capable, for whatever reason, of supporting either the systemic or the pulmonary circulation.) The consensus of the EACTS and STS Congenital Heart Surgery Database Committees is that the nomenclature proposal for single ventricle hearts would encompass hearts with double inlet atrioventricular connection (both double inlet left ventricle [DILV] and double inlet right ventricle [DIRV]), hearts with absence of one atrioventricular connection (mitral atresia and tricuspid atresia), hearts with a common atrioventricular valve and only one completely well-developed ventricle (unbalanced common atrioventricular canal defect), hearts with only one fully well-developed ventricle and heterotaxia syndrome (single ventricle heterotaxia syndrome), and finally other rare forms of univentricular hearts that do not fit in one of the specified major categories. In the version of the IPCCC derived from the nomenclature of the International Congenital Heart Surgery Nomenclature and Database Project of the EACTS and the STS, patients classified in this section of the nomenclature, therefore, include all those who would be coded using the Short List for "Single Ventricle", specifically: (1) Single ventricle; (2) Single ventricle, DILV; (3) Single ventricle, DIRV; (4) Single ventricle, Heterotaxia syndrome; (5) Single ventricle, Mitral atresia; (6) Single ventricle, Tricuspid atresia; (7) Single ventricle, Unbalanced AV canal. (Despite the recognition that hypoplastic left heart syndrome is a common form of functionally univentricular heart, with a single or dominant ventricle of right ventricular morphology, the EACTS-STS version of the IPCCC includes an entirely separate section for consideration of hypoplastic left heart syndrome. Also, it is recognized that a considerable variety of other structural cardiac malformations, such as pulmonary atresia with intact ventricular septum, biventricular hearts with straddling atrioventricular valves, and some complex forms of double outlet right ventricle (DORV), may at times be best managed in a fashion similar to that which is used to treat other functionally univentricular hearts. Nomenclature for description of those entities, however, is not included in this Single Ventricle section of the EACTS-STS version of the IPCCC.) [1] [1]. Jacobs JP, Franklin RCG, Jacobs ML, Colan SD, Tchervenkov CI, Maruszewski B, Gaynor JW, Spray TL, Stellin G, Aiello VD, Béland MJ, Krogmann ON, Kurosawa H, Weinberg PM, Elliott MJ, Mavroudis C, Anderson R. Classification of the Functionally Univentricular Heart: Unity from mapped codes. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges in the Management of the Functionally

		Univentricular Heart, Jacobs JP, Wernovsky G, Gaynor
		JW, and Anderson RH (editors). Cardiology in the Young, Volume 16, Supplement 1: 9 – 21, February 2006.
870	Congenitally corrected TGA	Indicate if the patient has the diagnosis of "Congenitally corrected TGA". Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.
872	Congenitally corrected TGA, IVS	Indicate if the patient has the diagnosis of "Congenitally corrected TGA, IVS". "Congenitally corrected TGA, IVS" is "Congenitally corrected transposition with an intact ventricular septum", in other words, " Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo- arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)

874	Congenitally corrected TGA, IVS-LVOTO	Indicate if the patient has the diagnosis of "Congenitally corrected TGA, IVS-LVOTO". "Congenitally corrected TGA, IVS-LVOTO" is "Congenitally corrected transposition with an intact ventricular septum and left ventricular outflow tract obstruction", in other words, " Congenitally corrected transposition with left ventricular outflow tract obstruction and no VSD". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo- arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)
876	Congenitally corrected TGA, VSD	Indicate if the patient has the diagnosis of "Congenitally corrected TGA, VSD". "Congenitally corrected TGA, VSD" is "Congenitally corrected transposition with a VSD". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)
878	Congenitally corrected TGA,	Indicate if the patient has the diagnosis of "Congenitally

ardiac Data	abase	Version: 2.73
	VSD-LVOTO	corrected TGA, VSD-LVOTO". "Congenitally corrected TGA, VSD-LVOTO" is "Congenitally corrected transposition with a VSD and left ventricular outflow tract obstruction". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)
880	TGA, IVS	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with an intact ventricular septum. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or 1 transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
890	TGA, IVS-LVOTO	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with an intact ventricular septum and associated left ventricular obstruction. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or l transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
900	TGA, VSD	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial

		discordance with one or more ventricular septal defects. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or l transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
910	TGA, VSD-LVOTO	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with one or more ventricular septal defects and left ventricular outflow tract obstruction. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or 1 transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
930	DORV, VSD type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, VSD type, there is an associated subaortic or doubly-committed VSD and no pulmonary outflow tract obstruction. Subaortic VSD's are located beneath the aortic valve. Doubly-committed VSD's lie beneath the leaflets of the aortic and pulmonary valves (juxtaarterial). In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate sngle ventricle listing.
940	DORV, TOF type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, TOF type, there is an associated subaortic or doubly-committed VSD and pulmonary outflow tract obstruction. Subaortic VSD's are located beneath the aortic valve. Doubly-committed VSD's lie beneath the leaflets of the aortic and pulmonary valves (juxtaarterial). DORV can occur in association with pulmonary atresia, keeping in mind in coding that in the nomenclature developed for DORV,

		there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles (in this situation DORV is coded as a primary diagnosis). Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate Single ventricle listing.
950	DORV, TGA type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, TGA type, there is an associated subpulmonary VSD. Most frequently, there is no pulmonary outflow tract obstruction (Taussig-Bing heart). The aorta is usually to the right and slightly anterior to or side-by-side with the pulmonary artery. Associated aortic outflow tract stenosis (subaortic, aortic arch obstruction) is commonly associated with the Taussig-Bing heart and if present should be coded as a secondary diagnosis. Rarely, there is associated pulmonary outflow tract obstruction. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
960	DORV, Remote VSD (uncommitted VSD)	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, Remote VSD type, there is a remote or noncommitted VSD. The VSD is far removed from both the aortic and pulmonary valves, usually within the inlet septum. Many of these VSD's are in hearts with DORV and common atrioventricular canal/septal defect. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
2030	DORV + AVSD (AV Canal)	Indicate if the patient has the diagnosis of "DORV + AVSD (AV Canal)". In the event of DORV occurring in association with AVSD (AV Canal), code "DORV + AVSD (AV Canal)", and then use additional

		(secondary) diagnostic codes to describe the DORV and the AVSD (AV Canal) separately to provide further documentation about the DORV and AVSD (AV Canal) types. {"DORV" is "Double outlet right ventricle" and is defined as a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle.} In this case, the DORV exists in combination with an atrioventricular septal defect and common atrioventricular junction guarded by a common atrioventricular valve.
975	DORV, IVS	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In the rare case of double outlet right ventricle with IVS the ventricular septum is intact. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connections with DORV are to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
980	DOLV	Double outlet left ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the left ventricle. In the nomenclature developed for DOLV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DOLV is to be coded under congenitally corrected TGA. DOLV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
990	Coarctation of aorta	Indicate if the patient has the diagnosis of "Coarctation of aorta". A "Coarctation of the aorta" generally indicates a narrowing of the descending thoracic aorta just distal to the left subclavian artery. However, the term may also be accurately used to refer to a region of narrowing anywhere in the thoracic or abdominal aorta.
1000	Aortic arch hypoplasia	Hypoplasia of the aortic arch is hypoplasia of the proximal or distal transverse arch or the aortic isthmus. The isthmus (arch between the left subclavian and insertion of the patent ductus arteriosus / ligamentum arteriosum) is hypoplastic if its diameter is less than 40% of the diameter of the ascending aorta. The proximal transverse arch (arch between the innominate and left carotid arteries) and distal transverse arch (arch between the left carotid and left subclavian arteries) are hypoplastic if their diameters are less than 60% and

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		50%, respectively, of the diameter of the ascending aorta.
92	VSD + Aortic arch hypoplasia	A ventricular septal defect, any type, associated with hypoplasia of the aortic arch. (See diagnosis definition 1000 for a definition of hypoplasia of the aortic arch.)
94	VSD + Coarctation of aorta	Indicate if the patient has the diagnosis of "VSD + Coarctation of aorta". In the event of a VSD occurring in association with Coarctation of aorta, code "VSD + Coarctation of aorta", and then use additional (secondary) diagnostic codes to describe the VSD and the Coarctation of aorta separately to provide further documentation about the individual VSD and Coarctation of aorta types. {A "VSD" is a "Ventricular Septal Defect" and is also known as an "Interventricular communication". A VSD is defined as "a hole between the ventricular chambers or their remnants". (The VSD is defined on the basis of its margins as seen from the aspect of the morphologically right ventricle. In the setting of double outlet right ventricle, the defect provides the outflow from the morphologically left ventricle. In univentricular atrioventricular connections with functionally single left ventricle with an outflow chamber, the communication is referred to by some as a bulboventricular foramen.)} {A "Coarctation of the aorta" generally indicates a narrowing of the descending thoracic aorta just distal to the left subclavian artery. However, the term may also be accurately used to refer to a region of narrowing anywhere in the thoracic or abdominal aorta.}
1010	Coronary artery anomaly, Anomalous aortic origin of coronary artery from aorta (AAOCA)	Anomalous aortic origins of the coronary arteries include a spectrum of anatomic variations of the normal coronary artery origins. Coronary artery anomalies of aortic origin to be coded under this diagnostic field include: anomalies of take-off (high take-off), origin (sinus), branching, and number. An anomalous course of the coronary artery vessels is also significant, particularly those coronary arteries that arise or course between the great vessels.
1020	Coronary artery anomaly, Anomalous pulmonary origin (includes ALCAPA)	In patients with anomalous pulmonary origin of the coronary artery, the coronary artery (most commonly the left coronary artery) arises from the pulmonary artery rather than from the aorta. Rarely, the right coronary artery, the circumflex, or both coronary arteries may arise from the pulmonary artery.
1030	Coronary artery anomaly, Fistula	The most common of coronary artery anomalies, a coronary arteriovenous fistula is a communication between a coronary artery and either a chamber of the heart (coronary-cameral fistula) or any segment of the systemic or pulmonary circulation (coronary arteriovenous fistula). They may be congenital or acquired (traumatic, infectious, iatrogenic) in origin,

		and are mostly commonly seen singly, but occasionally multiple fistulas are present. Nomenclature schemes have been developed that further categorize the fistulas by vessel of origin and chamber of termination, and one angiographic classification scheme by Sakakibara has surgical implications. Coronary artery fistulas can be associated with other congenital heart anomalies such as tetralogy of Fallot, atrial septal defect, ventricular septal defect, and pulmonary atresia with intact ventricular septum, among others. The major cardiac defect should be listed as the primary diagnosis and the coronary artery fistula should be as an additional secondary diagnoses.
1040	Coronary artery anomaly, Aneurysm	Coronary artery aneurysms are defined as dilations of a coronary vessel 1.5 times the adjacent normal coronaries. There are two forms, saccular and fusiform (most common), and both may be single or multiple. These aneurysms may be congenital or acquired (atherosclerotic, Kawasaki, systemic diseases other than Kawasaki, iatrogenic, infectious, or traumatic) in origin.
1050	Coronary artery anomaly, Other	Coronary artery anomalies which may fall within this category include coronary artery bridging and coronary artery stenosis, as well as secondary coronary artery variations seen in congenital heart defects such as tetralogy of Fallot, transposition of the great arteries, and truncus arteriosus (with the exception of variations that can be addressed by a more specific coronary artery anomaly code).
1070	Interrupted aortic arch	Indicate if the patient has the diagnosis of "Interrupted aortic arch". Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.
2020	Interrupted aortic arch + VSD	Indicate if the patient has the diagnosis of "Interrupted aortic arch + VSD". In the event of interrupted aortic arch occurring in association with VSD, code " Interrupted aortic arch + VSD", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and the VSD separately to provide further documentation about the individual interrupted aortic arch and VSD types. {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by

2000

window)

Interrupted aortic arch + AP window (aortopulmonary site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries. } {A "VSD" is a "Ventricular Septal Defect" and is also known as an "Interventricular communication". A VSD is defined as "a hole between the ventricular chambers or their remnants". (The VSD is defined on the basis of its margins as seen from the aspect of the morphologically right ventricle. In the setting of double outlet right ventricle, the defect provides the outflow from the morphologically left ventricle. In univentricular atrioventricular connections with functionally single left ventricle with an outflow chamber, the communication is referred to by some as a bulboventricular foramen.)}

Indicate if the patient has the diagnosis of "Interrupted aortic arch + AP window (aortopulmonary window)". In the event of interrupted aortic arch occurring in association with AP window, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and the AP window separately to provide further documentation about the individual interrupted aortic arch and AP window types. {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries. } {An "AP window (aortopulmonary window)" is defined as a defect with side-to-side continuity of the lumens of the aorta and pulmonary arterial tree, which is distinguished from common arterial trunk (truncus arteriosus) by the presence of two arterial valves or their atretic remnants. (In other words, an aortopulmonary window is a communication between the main pulmonary artery and ascending aorta in the presence of two separate semilunar [pulmonary and aortic] valves. The presence of two separate semilunar valves distinguishes AP window from truncus arteriosus. Type 1 proximal defect: AP window located just above the sinus of Valsalva, a few millimeters above the semilunar valves, with a superior rim but little inferior rim separating the AP window from the semilunar valves. Type 2 distal defect: AP window located in the uppermost portion of the ascending aorta, with a well-formed inferior rim but little superior rim. Type 3 total defect: AP window

		involving the majority of the ascending aorta, with little superior and inferior rims. The intermediate type of AP window is similar to the total defect but with adequate superior and inferior rims. In the event of AP window occurring in association with interrupted aortic arch, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and AP window separately to provide further documentation about the individual interrupted arch and AP window types.)}
1080	Patent ductus arteriosus	Indicate if the patient has the diagnosis of "Patent ductus arteriosus". The ductus arteriosus (arterial duct) is an essential feature of fetal circulation, connecting the main pulmonary trunk with the descending aorta, distal to the origin of the left subclavian artery. In most patients it is on the left side. If a right aortic arch is present, it may be on the right or the left; very rarely it is bilateral. When luminal patency of the duct persists post-natally, it is referred to as patent ductus arteriosus (patent arterial duct). The length and diameter may vary considerably from case to case. The media of the ductus consists mainly of smooth muscle that is arranged spirally, and the intima is much thicker than that of the aorta. (A patent ductus arteriosus is a vascular arterial connection between the thoracic aorta and the pulmonary artery. Most commonly a PDA has its origin from the descending thoracic aorta, just distal and opposite the origin of the left subclavian artery. The insertion of the ductus is most commonly into the very proximal left pulmonary artery at its junction with the main pulmonary artery. Origination and insertion sites can be variable, however.)
1090	Vascular ring	The term vascular ring refers to a group of congenital vascular anomalies that encircle and comperss the esophagus and trachea. The compression may be from a complete anatomic ring (double aortic arch or right aortic arch with a left ligamentum) or from a compressive effect of an aberrant vessel (innominate artery compression syndrome).
1100	Pulmonary artery sling	In pulmonary artery sling, the left pulmonary artery originates from the right pulmonary artery and courses posteriorly between the trachea and esophagus in its route to the left lung hilum, causing a sling-like compression of the trachea.
1110	Aortic aneurysm (including pseudoaneurysm)	An aneurysm of the aorta is defined as a localized dilation or enlargement of the aorta at any site along its length (from aortic annulus to aortoiliac bifurcation). A true aortic aneurysm involves all layers of the aortic wall. A false aortic aneurysm (pseudoaneurysm) is defined as a dilated segment of the aorta not containing all layers of the aortic wall and may include

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		postoperative or post-procedure false aneurysms at anastomotic sites, traumatic aortic injuries or transections, and infectious processes leading to a contained rupture.
1120	Aortic dissection	Aortic dissection is a separation of the layers of the aortic wall. Extension of the plane of the dissection may progress to free rupture into the pericardium, mediastinum, or pleural space if not contained by the outer layers of the media and adventitia. Dissections may be classified as acute or chronic (if they have been present for more than 14 days)
1130	Lung disease, Benign	Lung disease arising from any etiology (congenital or acquired) which does not result in death or lung or heart- lung transplant; examples might be non-life threatening asthma or emphysema, benign cysts.
1140	Lung disease, Malignant	Lung disease arising from any etiology (congenital or acquired, including pulmonary parenchymal disease, pulmonary vascular disease, congenital heart disease, neoplastm, etc.) which may result in death or lung or heart-lung transplant.
1150	Pectus	Pectus excavatum is a chest wall deformity in which the sternum is depressed. Pectus carinatum is a protrusion of the sternum.
1160	Tracheal stenosis	Tracheal stenosis is a reduction in the anatomic luminal diameter of the trachea by more than 50% of the remaining trachea. This stenosis may be congenital or acquired (as in post-intubation or traumatic tracheal stenosis).
1170	Airway disease	Included in this diagnostic category would be airway pathology not included under the definition of tracheal stenosis such as tracheomalacia, bronchotracheomalacia, tracheal right upper lobe, bronchomalacia, subglottic stenosis, bronchial stenosis, etc.
1430	Pleural disease, Benign	Benign diseases of the mediastinal or visceral pleura.
1440	Pleural disease, Malignant	Malignant diseases of the mediastinal or visceral pleura.
1450	Pneumothorax	A collection of air or gas in the pleural space.
1460	Pleural effusion	Abnormal accumulation of fluid in the pleural space.
1470	Chylothorax	The presence of lymphatic fluid in the pleural space secondary to a leak from the thoracic duct or its branches. Chylothorax is a specific type of pleural effusion.
1480	Empyema	A collection of purulent material in the pleural space, usually secondary to an infection.
1490	Esophageal disease, Benign	Any benign disease of the esophagus.
1500	Esophageal disease, Malignant	Any malignant disease of the esophagus.
1505	Mediastinal disease	Any disease of the mediastinum awaiting final

		benign/malignant pathology determination.
1510	Mediastinal disease, Benign	Any benign disease of the mediastinum.
1520	Mediastinal disease, Malignant	Any malignant disease of the mediastinum.
1540	Diaphragm paralysis	Paralysis of diaphragm, unilateral or bilateral.
1550	Diaphragm disease, Other	Any disease of the diaphragm other than paralysis.
1180	Arrhythmia	Any cardiac rhythm other than normal sinus rhythm.
2040	Arrhythmia, Atrial	Indicate if the patient has the diagnosis of "Arrhythmia, Atrial". "Arrhythmia, Atrial" ROOT Definition = Non-sinus atrial rhythm with or without atrioventricular conduction. [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 373.
2050	Arrhythmia, Junctional	<ul> <li>Indicate if the patient has the diagnosis of "Arrhythmia, Junctional". "Arrhythmias arising from the atrioventricular junction; may be bradycardia, tachycardia, premature beats, or escape rhythm [1].</li> <li>[1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 379.</li> </ul>
2060	Arrhythmia, Ventricular	Indicate if the patient has the diagnosis of "Arrhythmia, Ventricular". "Arrhythmia, Ventricular" ROOT Definition = Abnormal rhythm originating from the ventricles [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 393.
1185	Arrhythmia, Heart block	Atrioventricular block may be congenital or acquired, and may be of varying degree (first, second, or third degree).
1190	Arrhythmia, Heart block, Acquired	Atrioventricular block, when acquired, may be post- surgical, or secondary to myocarditis or other etiologies; the block may be first, second or third degree.
1200	Arrhythmia, Heart block, Congenital	Atrioventricular block, when congenital, may be first, second or third degree block.

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1220	Arrhythmia, Pacemaker, Indication for replacement	Indications for pacemaker replacement may include end of generator life, malfunction, or infection.
1230	Atrial Isomerism, Left	In isomerism, both appendages are of like morphology or structure; in left atrial isomerism both the right atrium and left atrium appear to be a left atrium structurally.
1240	Atrial Isomerism, Right	In isomerism, both appendages are of like morphology or structure; in right atrial isomerism both the right atrium and left atrium appear to be a right atrium structurally.
2090	Dextrocardia	Indicate if the patient has the diagnosis of "Dextrocardia ". "Dextrocardia" is most usually considered synonymous with a right-sided ventricular mass, whilst ' 'dextroversion'' is frequently defined as a configuration where the ventricular apex points to the right. In a patient with the usual atrial arrangement, or situs solitus, dextroversion, therefore, implies a turning to the right of the heart [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2100	Levocardia	Indicate if the patient has the diagnosis of "Levocardia" . "Levocardia" usually considered synonymous with a left-sided ventricular mass, whilst "levoversion" is frequently defined as a configuration where the ventricular apex points to the left [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2110	Mesocardia	Indicate if the patient has the diagnosis of "Mesocardia" . "Mesocardia" is most usually considered synonymous with the ventricular mass occupying the midline [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin

		RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2120	Situs inversus	Indicate if the patient has the diagnosis of "Situs inversus" of the atrial chambers. The development of morphologically right-sided structures on one side of the body, and morphologically left-sided structures on the other side, is termed lateralization. Normal lateralization, the usual arrangement, is also known as " situs solitus". The mirror-imaged arrangement is also known as "situs inversus". The term "visceroatrial situs" is often used to refer to the situs of the viscera and atria when their situs is in agreement. The arrangement of the organs themselves, and the arrangement of the atrial chambers, is not always the same. Should such disharmony be encountered, the sidedness of the organs and atrial chambers must be separately specified [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
1250	Aneurysm, Ventricular, Right (including pseudoaneurysm)	An aneurysm of the right ventricle is defined as a localized dilation or enlargement of the right ventricular wall.
1260	Aneurysm, Ventricular, Left (including pseudoaneurysm)	An aneurysm of the left ventricle is defined as a localized dilation or enlargement of the left ventricular wall.
1270	Aneurysm, Pulmonary artery	An aneurysm of the pulmonary artery is defined as a localized dilation or enlargement of the pulmonary artery trunk and its central branches (right and left pulmonary artery).
1280	Aneurysm, Other	A localized dilation or enlargement of a cardiac vessel or chamber not coded in specific fields available for aortic aneurysm, sinus of Valsalva aneurysm, coronary

		artery aneurysm, right ventricular aneurysm, left ventricular aneurysm, or pulmonary artery aneurysm.
1290	Hypoplastic RV	Small size of the right ventricle. This morphological abnormality usually is an integral part of other congenital cardiac anomalies and, therefore, frequently does not need to be coded separately. It should, however, be coded as secondary to an accompanying congenital cardiac anomaly if the right ventricular hypoplasia is not considered an integral and understood part of the primary congenital cardiac diagnosis. It would rarely be coded as a primary and/or isolated diagnosis.
1300	Hypoplastic LV	Small size of the left ventricle. This morphological abnormality usually is an integral part of other congenital cardiac anomalies and, therefore, frequently does not need to be coded separately. It should, however, be coded as secondary to an accompanying congenital cardiac anomaly if the left ventricular hypoplasia is not considered an integral and understood part of the primary congenital cardiac diagnosis. It would rarely be coded as a primary and/or isolated diagnosis.
2070	Postoperative bleeding	Indicate if the patient has the diagnosis of " Postoperative bleeding".
1310	Mediastinitis	Inflammation/infection of the mediastinum, the cavity between the lungs which holds the heart, great vessels, trachea, esophagus, thymus, and connective tissues. In the United States mediastinits occurs most commonly following chest surgery.
1320	Endocarditis	An infection of the endocardial surface of the heart, which may involve one or more heart valves (native or prosthetic) or septal defects or prosthetic patch material placed at previous surgery.
1325	Rheumatic heart disease	Heart disease, usually valvular (e.g., mitral or aortic), following an infection with group A streptococci
1330	Prosthetic valve failure	Indicate if the patient has the diagnosis of "Prosthetic valve failure". This diagnosis is the primary diagnosis to be entered for patients undergoing replacement of a previously placed valve (not conduit) prosthesis, whatever type (e.g., bioprosthetic, mechanical, etc.). Failure may be due to, among others, patient somatic growth, malfunction of the prosthesis, or calcification or overgrowth of the prosthesis (e.g., pannus formation). Secondary or fundamental diagnosis would relate to the underlying valve disease entity. As an example, a patient undergoing removal or replacement of a prosthetic pulmonary valve previously placed for pulmonary insufficiency after repair of tetralogy of Fallot would have as a primary diagnosis "Prosthetic valve failure", as a secondary diagnosis "Pulmonary insufficiency", and as a fundamental diagnosis "

		Tetralogy of Fallot".
1340	Myocardial infarction	A myocardial infarction is the development of myocardial necrosis caused by a critical imbalance between the oxygen supply and demand of the myocardium. While a myocardial infarction may be caused by any process that causes this imbalance it most commonly results from plaque rupture with thrombus formation in a coronary vessel, resulting in an acute reduction of blood supply to a portion of the myocardium. Myocardial infarction is a usual accompaniment of anomalous left coronary artery from the pulmonary artery (ALCAPA).
1350	Cardiac tumor	An abnormal growth of tissue in or on the heart, demonstrating partial or complete lack of structural organization, and no functional coordination with normal cardiac tissue. Commonly, a mass is recognized which is distinct from the normal structural components of the heart. A primary cardiac tumor is one that arises directly from tissues of the heart, (e.g., myxoma, fibroelastoma, rhabdomyoma, fibroma, lipoma, pheochromocytoma, teratoma, hemangioma, mesothesioloma, sarcoma). A secondary cardiac tumor is one that arises from tissues distant from the heart, with subsequent spread to the otherwise normal tissues of the heart, (e.g., renal cell tumor with caval extension from the kidney to the level of the heart or tumor with extension from other organs or areas of the body (hepatic, adrenal, uterine, infradiaphragmatic)). N.B., in the nomenclature system developed, cardiac thrombus and cardiac vegetation are categorized as primary cardiac tumors.
1360	Pulmonary AV fistula	An abnormal intrapulmonary connection (fistula) between an artery and vein that occurs in the blood vessels of the lungs. Pulmonary AV fistulas may be seen in association with congenital heart defects; the associated cardiac defect should be coded as well.
1370	Pulmonary embolism	A pulmonary embolus is a blockage of an artery in the lungs by fat, air, clumped tumor cells, or a blood clot.
1385	Pulmonary vascular obstructive disease	Pulmonary vascular obstructive disease (PVOD) other than those specifically defined elsewhere (Eisenmenger's pulmonary vascular obstructive disease, primary pulmonary hypertension, persistent fetal circulation). The spectrum includes PVOD arising from (1) pulmonary arterial hypertension or (2) pulmonary venous hypertension or (3) portal hypertension, or (4) collage vascular disease, or (5) drug or toxin induced, or (6) diseases of the respiratory system, or (7) chronic thromboembolic disease, among others.
1390	Pulmonary vascular obstructive disease (Eisenmenger's)	"Eisenmenger syndrome" could briefly be described as "Acquired severe pulmonary vascular disease associated with congenital heart disease (Eisenmenger)".

		Eisenmenger syndrome is an acquired condition. In Eisenmenger-type pulmonary vascular obstructive disease, long-term left-to-right shunting (e.g., through a ventricular or atrial septal defect, patent ductus arteriosus, aortopulmonary window) can lead to chronic pulmonary hypertension with resultant pathological changes in the pulmonary vessels. The vessels become thick-walled, stiff, noncompliant, and may be obstructed. In Eisenmenger syndrome, the long-term left-to-right shunting will reverse and become right to left. Please note that the specific heart defect should be coded as a secondary diagnosis.
1400	Primary pulmonary hypertension	Primary pulmonary hypertension is a rare disease characterized by elevated pulmonary artery hypertension with no apparent cause. Two forms are included in the nomenclature, a sporadic form and a familial form which can be linked to the BMPR-II gene.
1410	Persistent fetal circulation	Persistence of the blood flow pattern seen in fetal life, in which high pulmonary vascular resistance in the lungs results in decreased blood flow to the lungs. Normally, after birth pulmonary pressure falls with a fall in pulmonary vascular resistance and there is increased perfusion of the lungs. Persistent fetal circulation, also known as persistent pulmonary hypertension of the newborn, can be related to lung or diaphragm malformations or lung immaturity.
1420	Meconium aspiration	Aspiration of amniotic fluid stained with meconium before, during, or after birth can lead to pulmonary sequelae including (1) pneumothorax, (2) pneumomediastinum, (3) pneumopericardium, (4) lung infection, and (5) meconium aspiration syndrome (MAS) with persistent pulmonary hypertension.
1560	Cardiac, Other	Any cardiac diagnosis not specifically delineated in other diagnostic codes.
1570	Thoracic and/or mediastinal, Other	Any thoracic and/or mediastinal disease not specifically delineated in other diagnostic codes.
1580	Peripheral vascular, Other	Any peripheral vascular disease (congenital or acquired) or injury (from trauma or iatrogenic); vessels involved may include, but are not limited to femoral artery, femorial vein, iliac artery, brachial artery, etc.
7000	Normal heart	Normal heart.
7777	Miscellaneous, Other	Any disease (congenital or acquired) not specifically delineated in other diagnostic codes.
4010	Status post - PFO, Primary closure	Status post - Suture closure of patent foramen ovale (PFO).
4020	Status post - ASD repair, Primary closure	Status post - Suture closure of secundum (most frequently), coronary sinus, sinus venosus or common atrium ASD.
4030	Status post - ASD repair,	Status post - Patch closure (using any type of patch

	2000	
	Patch	material) of secundum, coronary sinus, or sinus venosus ASD.
4040	Status post - ASD repair, Device	Status post - Closure of any type ASD (including PFO) using a device.
6110	Status post - ASD repair, Patch + PAPVC repair	
4050	Status post - ASD, Common atrium (single atrium), Septation	Status post - Septation of common (single) atrium using any type patch material.
4060	Status post - ASD creation/enlargement	Status post - Creation of an atrial septal defect or enlargement of an existing atrial septal defect using a variety of modalities including balloon septostomy, blade septostomy, or surgical septectomy. Creation may be accomplished with or without use of cardiopulmonary bypass.
4070	Status post - ASD partial closure	Status post - Intentional partial closure of any type ASD (partial suture or fenestrated patch closure).
4080	Status post - Atrial septal fenestration	Status post - Creation of a fenestration (window) in the septum between the atrial chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the atrial septum.
4085	Status post - Atrial fenestration closure	Status post - Closure of previously created atrial fenestration using any method including device, primary suture, or patch.
4100	Status post - VSD repair, Primary closure	Status post - Suture closure of any type VSD.
4110	Status post - VSD repair, Patch	Status post - Patch closure (using any type of patch material) of any type VSD.
4120	Status post - VSD repair, Device	Status post - Closure of any type VSD using a device.
4130	Status post - VSD, Multiple, Repair	Status post - Closure of more than one VSD using any method or combination of methods. Further information regarding each type of VSD closed and method of closure can be provided by additionally listing specifics for each VSD closed. In the case of multiple VSDs in which only one is closed the procedure should be coded as closure of a single VSD. The fundamental diagnosis, in this case, would be " VSD, Multiple" and a secondary diagnosis can be the morphological type of VSD that was closed at the time of surgery.
4140	Status post - VSD creation/enlargement	Status post - Creation of a ventricular septal defect or enlargement of an existing ventricular septal defect.
4150	Status post - Ventricular septal fenestration	Status post - Creation of a fenestration (window) in the septum between the ventricular chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the

		ventricular septum.
4170	Status post - AVC (AVSD) repair, Complete (CAVSD)	Status post - Repair of complete AV canal (AVSD) using one- or two-patch or other technique, with or without mitral valve cleft repair.
4180	Status post - AVC (AVSD) repair, Intermediate (Transitional)	Status post - Repair of intermediate AV canal (AVSD) using ASD and VSD patch, or ASD patch and VSD suture, or other technique, with or without mitral valve cleft repair.
4190	Status post - AVC (AVSD) repair, Partial (Incomplete) (PAVSD)	Status post - Repair of partial AV canal defect (primum ASD), any technique, with or without repair of cleft mitral valve.
6300	Status post - Valvuloplasty, Common atrioventricular valve	
6250	Status post - Valvuloplasty converted to valve replacement in the same operation, Common atrioventricular valve	
6230	Status post - Valve replacement, Common atrioventricular valve	
4210	Status post - AP window repair	Status post - Repair of AP window using one- or two- patch technique with cardiopulmonary bypass; or, without cardiopulmonary bypass, using transcatheter device or surgical closure.
4220	Status post - Pulmonary artery origin from ascending aorta (hemitruncus) repair	Status post - Repair of pulmonary artery origin from the ascending aorta by direct reimplantation, autogenous flap, or conduit, with or without use of cardiopulmonary bypass.
4230	Status post - Truncus arteriosus repair	Status post - Truncus arteriosus repair that most frequently includes patch VSD closure and placement of a conduit from RV to PA. In some cases, a conduit is not placed but an RV to PA connection is made by direct association. Very rarely, there is no VSD to be closed. Truncal valve repair or replacement should be coded separately (Valvuloplasty, Truncal valve; Valve replacement, Truncal valve), as would be the case as well with associated arch anomalies requiring repair (e.g., Interrupted aortic arch repair).
4240	Status post - Valvuloplasty, Truncal valve	Status post - Truncal valve repair, any type.
6290	Status post - Valvuloplasty converted to valve replacement in the same operation, Truncal valve	
4250	Status post - Valve replacement, Truncal valve	Status post - Replacement of the truncal valve with a prosthetic valve.

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6220	Status post - Truncus + Interrupted aortic arch repair (IAA) repair	
4260	Status post - PAPVC repair	Status post - PAPVC repair revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed.
4270	Status post - PAPVC, Scimitar, Repair	Status post - In scimitar syndrome, PAPVC repair also revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed. Occasionally an ASD is created; this procedure also must be listed separately. Concomitant thoracic procedures (e.g., lobectomy, pneumonectomy) should also be included in the procedures listing.
6120	Status post - PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage)	
4280	Status post - TAPVC repair	Status post - Repair of TAPVC, any type. Issues surrounding TAPVC repair involve how the main pulmonary venous confluence anastomosis is fashioned, whether an associated ASD is closed or left open or enlarged (ASD closure and enlargement may be listed separately), and whether, particularly in mixed type TAPVC repair, an additional anomalous pulmonary vein is repaired surgically.
6200	Status post - TAPVC repair + Shunt - systemic-to- pulmonary	
4290	Status post - Cor triatriatum repair	Status post - Repair of cor triatriatum. Surgical decision making revolves around the approach to the membrane creating the cor triatriatum defect, how any associated ASD is closed, and how any associated anomalous pulmonary vein connection is addressed. Both ASD closure and anomalous pulmonary venous connection may be listed as separate procedures.
4300	Status post - Pulmonary venous stenosis repair	Status post - Repair of pulmonary venous stenosis, whether congenital or acquired. Repair can be accomplished with a variety of approaches: sutureless, patch venoplasty, stent placement, etc.
4310	Status post - Atrial baffle procedure (non-Mustard, non- Senning)	Status post - The atrial baffle procedure code is used primarily for repair of systemic venous anomalies, as in redirection of left superior vena cava drainage to the

right atrium. Status post - With the exception of atrial baffle 4330 Status post - Anomalous procedures (harvest code 310), anomalous systemic systemic venous connection repair venous connection repair includes a range of surgical approaches, including, among others: ligation of anomalous vessels, reimplantation of anomalous vessels (with or without use of a conduit), or redirection of anomalous systemic venous flow through directly to the pulmonary circulation (bidirectional Glenn to redirect LSVC or RSVC to left or right pulmonary artery, respectively). 4340 Status post - Systemic venous Status post - Stenosis or obstruction of a systemic vein (most commonly SVC or IVC) may be relieved with stenosis repair patch or conduit placement, excision of the stenotic area with primary reanastomosis or direct reimplantation. 4350 Status post - TOF repair, No Status post - Tetralogy of Fallot repair (assumes VSD ventriculotomy closure and relief of pulmonary stenosis at one or more levels), without use of an incision in the infundibulum of the right ventricle for exposure. In most cases this would be a transatrial and transpulmonary artery approach to repair the VSD and relieve the pulmonary stenosis. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal. Status post - TOF repair, Status post - Tetralogy of Fallot repair (assumes VSD 4360 Ventriculotomy, closure and relief of pulmonary stenosis at one or more Nontransanular patch levels), with use of a ventriculotomy incision, but without placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal. 4370 Status post - TOF repair, Status post - Tetralogy of Fallot repair (assumes VSD Ventriculotomy, Transanular closure and relief of pulmonary stenosis at one or more patch levels), with use of a ventriculotomy incision and placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal. 4380 Status post - TOF repair, RV-Status post - Tetralogy of Fallot repair (assumes VSD PA conduit closure and relief of pulmonary stenosis at one or more levels), with placement of a right ventricle-topulmonary artery conduit. In this procedure the major components of pulmonary stenosis are relieved with placement of the RV-PA conduit. 4390 Status post - TOF - AVC Status post - Tetralogy of Fallot repair (assumes VSD

	(AVSD) repair	closure and relief of pulmonary stenosis at one or more levels), with repair of associated AV canal defect. Repair of associated atrial septal defect or atrioventricular valve repair(s) should be listed as additional or secondary procedures under the primary TOF-AVC procedure.
4400	Status post - TOF - Absent pulmonary valve repair	Status post - Repair of tetralogy of Fallot with absent pulmonary valve complex. In most cases this repair will involve pulmonary valve replacement (pulmonary or aortic homograft, porcine, other) and reduction pulmonary artery arterioplasty.
4420	Status post - Pulmonary atresia - VSD (including TOF, PA) repair	Status post - For patients with pulmonary atresia with ventricular septal defect without MAPCAs, including those with tetralogy of Fallot with pulmonary atresia, repair may entail either a tetralogy-like repair with transannular patch placement, a VSD closure with placement of an RV-PA conduit, or an intraventricular tunnel VSD closure with transannular patch or RV-PA conduit placement. To assure an accurate count of repairs of pulmonary atresia-VSD without MAPCAs, even if a tetralogy-type repair or Rastelli-type repair is used, the pulmonary atresia-VSD code should be the code used, not Rastelli procedure or tetralogy of Fallot repair with transannular patch.
4430	Status post - Pulmonary atresia - VSD - MAPCA (pseudotruncus) repair	Status post - In the presence of MAPCAs, this code implies implies pulmonary unifocalization (multi- or single-stage), repair of VSD (may be intraventricular tunnel or flat patch VSD closure), and placement of an RV-PA conduit.
4440	Status post - Unifocalization MAPCA(s)	Status post - Anastomosis of aortopulmonary collateral arteries into the left, right, or main pulmonary artery or into a tube graft or other type of confluence. The unifocalization procedure may be done on or off bypass.
4450	Status post - Occlusion MAPCA(s)	Status post - Occlusion, or closing off, of MAPCAs. This may be done with a transcatheter occluding device, usually a coil, or by surgical techniques.
4460	Status post - Valvuloplasty, Tricuspid	Status post - Reconstruction of the tricuspid valve may include but not be limited to a wide range of techniques including: leaflet patch extension, artificial chordae placement, papillary muscle transplocation with or without detachment. Annuloplasty techniques that may be done solely or in combination with leaflet, chordae or muscle repair to achieve a competent valve include: eccentric annuloplasty, Kay annular plication, purse- string annuloplasty (including semicircular annuloplasty), sliding annuloplasty, and annuloplasty with ring placement. Do not use this code if tricuspid valve malfunction is secondary to Ebstein's anomaly; instead use the Ebstein's repair procedure code.
6280	Status post - Valvuloplasty	

6280 Status post - Valvuloplasty converted to valve

	replacement in the same operation, Tricuspid	
4465	Status post - Ebstein's repair	Status post - To assure an accurate count of repairs of Ebstein's anomaly of the tricuspid valve, this procedure code was included. Repair of Ebstein's anomaly may include, among other techniques, repositioning of the tricuspid valve, plication of the atrialized right ventricle, or right reduction atrioplasty. Often associated ASD's may be closed and arrhythmias addressed with surgical ablation procedures. These procedures should be entered as separate procedure codes.
4470	Status post - Valve replacement, Tricuspid (TVR)	Status post - Replacement of the tricuspid valve with a prosthetic valve.
4480	Status post - Valve closure, Tricuspid (exclusion, univentricular approach)	Status post - In a functional single ventricle heart, the tricuspid valve may be closed using a patch, thereby excluding the RV. Tricuspid valve closure may be used for infants with Ebstein's anomaly and severe tricuspid regurgitation or in patients with pulmonary atresia-intact ventricular septum with sinusoids.
4490	Status post - Valve excision, Tricuspid (without replacement)	Status post - Excision of the tricuspid valve without placement of a valve prosthesis.
4500	Status post - Valve surgery, Other, Tricuspid	Status post - Other tricuspid valve surgery not specified in procedure codes.
4510	Status post - RVOT procedure	Status post - Included in this procedural code would be all RVOT procedures not elsewhere specified in the nomenclature system. These might be, among others: resection of subvalvar pulmonary stenosis (not DCRV type; may be localized fibrous diaphragm or high infundibular stenosis), right ventricular patch augmentation, or reduction pulmonary artery arterioplasty.
4520	Status post - 1 1/2 ventricular repair	Status post - Partial biventricular repair; includes intracardiac repair with bidirectional cavopulmonary anastomosis to volume unload a small ventricle or poorly functioning ventricle.
4530	Status post - PA, reconstruction (plasty), Main (trunk)	Status post - Reconstruction of the main pulmonary artery trunk commonly using patch material. If balloon angioplasty is performed or a stent is placed in the main pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If MPA reconstruction is performed with PA debanding, both codes should be listed.
4540	Status post - PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation)	Status post - Reconstruction of the right or left branch (or both right and left) pulmonary arteries (within the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If, rarely,

		branch PA banding (single or bilateral) was performed in the past and reconstruction is performed associated with debanding, both codes should be listed.
4550	Status post - PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation)	Status post - Reconstruction of the peripheral right or left branch (or both right and left) pulmonary arteries (at or beyond the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) peripheral pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code.
4570	Status post - DCRV repair	Status post - Surgical repair of DCRV combines relief of the low infundibular stenosis (via muscle resection) and closure of a VSD when present. A ventriculotomy may be required and is repaired by patch enlargement of the infundibulum. VSD closure and patch enlargement of the infundibulum, if done, should be listed as separate procedure codes.
4590	Status post - Valvuloplasty, Pulmonic	Status post - Valvuloplasty of the pulmonic valve may include a range of techniques including but not limited to: valvotomy with or without bypass, commissurotomy, and valvuloplasty.
6270	Status post - Valvuloplasty converted to valve replacement in the same operation, Pulmonic	
4600	Status post - Valve replacement, Pulmonic (PVR)	Status post - Replacement of the pulmonic valve with a prosthetic valve. Care must be taken to differentiate between homograft pulmonic valve replacement and placement of a homograft RV-PA conduit.
4630	Status post - Valve excision, Pulmonary (without replacement)	Status post - Excision of the pulmonary valve without placement of a valve prosthesis.
4640	Status post - Valve closure, Semilunar	Status post - Closure of a semilunar valve (pulmonic or aortic) by any technique.
4650	Status post - Valve surgery, Other, Pulmonic	Status post - Other pulmonic valve surgery not specified in procedure codes.
4610	Status post - Conduit placement, RV to PA	Status post - Placement of a conduit, any type, from RV to PA.
4620	Status post - Conduit placement, LV to PA	Status post - Placement of a conduit, any type, from LV to PA.
5774	Status post - Conduit placement, Ventricle to aorta	Status post - Placement of a conduit from the right or left ventricle to the aorta.
5772	Status post - Conduit placement, Other	Status post - Placement of a conduit from any chamber or vessel to any vessel, valved or valveless, not listed elsewhere.
4580	Status post - Conduit reoperation	Status post - Conduit reoperation is the code to be used in the event of conduit failure, in whatever position (LV

		to aorta, LV to PA, RA to RV, RV to aorta, RV to PA, etc.), and from whatever cause (somatic growth, stenosis, insufficiency, infection, etc).
4660	Status post - Valvuloplasty, Aortic	Status post - Valvuloplasty of the aortic valve for stenosis and/or insufficiency including, but not limited to the following techniques: valvotomy (open or closed), commissurotomy, aortic valve suspension, leaflet (left, right or noncoronary) partial resection, reduction, or leaflet shaving, extended valvuloplasty (freeing of leaflets, commissurotomy, and extension of leaflets using autologous or bovine pericardium), or annuloplasty (partial - interrupted or noncircumferential sutures, or complete - circumferential sutures).
6240	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic	
6310	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure	
6320	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross- Konno procedure	
4670	Status post - Valve replacement, Aortic (AVR)	Status post - Replacement of the aortic valve with a prosthetic valve (mechanical, bioprosthetic, or homograft). Use this code only if type of valve prosthesis is unknown or does not fit into the specific valve replacement codes available. Autograft valve replacement should be coded as a Ross procedure.
4680	Status post - Valve replacement, Aortic (AVR), Mechanical	Status post - Replacement of the aortic valve with a mechanical prosthetic valve.
4690	Status post - Valve replacement, Aortic (AVR), Bioprosthetic	Status post - Replacement of the aortic valve with a bioprosthetic prosthetic valve.
4700	Status post - Valve replacement, Aortic (AVR), Homograft	Status post - Replacement of the aortic valve with a homograft prosthetic valve.
4715	Status post - Aortic root replacement, Bioprosthetic	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a bioprosthesis (e.g., porcine) in a conduit, often composite.
4720	Status post - Aortic root replacement, Mechanical	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a mechnical prosthesis in a

		composite conduit.
4730	Status post - Aortic root replacement, Homograft	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a homograft.
4735	Status post - Aortic root replacement, Valve sparing	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) without replacing the aortic valve (using a tube graft).
4740	Status post - Ross procedure	Status post - Replacement of the aortic valve with a pulmonary autograft and replacement of the pulmonary valve with a homograft conduit.
4750	Status post - Konno procedure	Status post - Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty. Components of the surgery include a longitudinal incision in the aortic septum, a vertical incision in the outflow tract of the right ventricle to join the septal incision, aortic valve replacement, and patch reconstruction of the outflow tracts of both ventricles.
4760	Status post - Ross-Konno procedure	Status post - Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty using a pulmonary autograft root for the aortic root replacement.
4770	Status post - Other annular enlargement procedure	Status post - Techniques included under this procedure code include those designed to effect aortic annular enlargement that are not included in other procedure codes. These include the Manougian and Nicks aortic annular enlargement procedures.
4780	Status post - Aortic stenosis, Subvalvar, Repair	Status post - Subvalvar aortic stenosis repair by a range of techniques including excision, excision and myotomy, excision and myomectomy, myotomy, myomectomy, initial placement of apical-aortic conduit (LV to aorta conduit replacement would be coded as conduit reoperation), Vouhé aortoventriculoplasty (aortic annular incision at commissure of left and right coronary cusps is carried down to the septum and RV infundibulum; septal muscle is resected, incisions are closed, and the aortic annulus is reconstituted), or other aortoventriculoplasty techniques.
6100	Status post - Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS	
4790	Status post - Aortic stenosis, Supravalvar, Repair	Status post - Repair of supravalvar aortic stenosis involving all techniques of patch aortoplasty and aortoplasty involving the use of all autologous tissue. In simple patch aortoplasty a diamond-shaped patch may be used, in the Doty technique an extended patch is placed (Y-shaped patch, incision carried into two

		sinuses), and in the Brom repair the ascending aorta is transected, any fibrous ridge is resected, and the three sinuses are patched separately.
4800	Status post - Valve surgery, Other, Aortic	Status post - Other aortic valve surgery not specified in other procedure codes.
4810	Status post - Sinus of Valsalva, Aneurysm repair	Status post - Sinus of Valsalva aneurysm repair can be organized by site of aneurysm (left, right or noncoronary sinus), type of repair (suture, patch graft, or root repair by tube graft or valved conduit), and approach used (from chamber of origin (aorta) or from chamber of penetration (LV, RV, PA, left or right atrium, etc.). Aortic root replacement procedures in association with sinus of Valsalva aneurysm repairs are usually for associated uncorrectable aortic insufficiency or multiple sinus involvement and the aortic root replacement procedure should also be listed. Additional procedures also performed at the time of sinus of Valsalva aneurysm repair include but are not limited to VSD closure, repair or replacement of aortic valve, and coronary reconstruction; these procedures should also be coded separately from the sinus of Valsalva aneurysm repair.
4820	Status post - LV to aorta tunnel repair	Status post - LV to aorta tunnel repair can be accomplished by suture, patch, or both, and may require reimplantation of the right coronary artery. Associated coronary artery procedures should be coded separately from the LV to aorta tunnel repair.
4830	Status post - Valvuloplasty, Mitral	Status post - Repair of mitral valve including, but not limited to: valvotomy (closed or open heart), cleft repair, annuloplasty with or without ring, chordal reconstruction, commissuorotomy, leaflet repair, or papillary muscle repair.
6260	Status post - Valvuloplasty converted to valve replacement in the same operation, Mitral	
4840	Status post - Mitral stenosis, Supravalvar mitral ring repair	Status post - Supravalvar mitral ring repair.
4850	Status post - Valve replacement, Mitral (MVR)	Status post - Replacement of mitral valve with prosthetic valve, any kind, in suprannular or annular position.
4860	Status post - Valve surgery, Other, Mitral	Status post - Other mitral valve surgery not specified in procedure codes.
4870	Status post - Norwood procedure	Status post - The Norwood operation is synonymous with the term 'Norwood (Stage 1)' and is defined as an aortopulmonary connection and neoaortic arch construction resulting in univentricular physiology and pulmonary blood flow controlled with a calibrated systemic-to-pulmonary artery shunt, or a right ventricle to pulmonary artery conduit, or rarely, a cavopulmonary

		<ul> <li>connection.</li> <li>When coding the procedure "Norwood procedure", the primary procedure of the operation should be "Norwood procedure". The second procedure (Procedure 2 after the Norwood procedure) must then document the source of pulmonary blood flow and be chosen from the following eight choices: <ol> <li>Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)</li> <li>Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)</li> <li>Shunt, Systemic to pulmonary, Other</li> <li>Conduit placement, RV to PA</li> <li>Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)</li> <li>Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)</li> <li>HemiFontan</li> </ol> </li> </ul>
4880	Status post - HLHS biventricular repair	Status post - Performed in patients who have small but adequately sized ventricles to support systemic circulation. These patients usually have small, but not stenotic, aortic and/or mitral valves. Primary biventricular repair has consisted of extensive aortic arch and ascending aorta enlargement with a patch, closure of interventricular and interatrial communications, and conservative approach for left ventricular outflow tract obstruction (which may include mitral stenosis at any level, subaortic stenosis, aortic stenosis, aortic arch hypoplasia, coarctation, or interrupted aortic arch). Concurrent operations (e.g., coarctation repair, aortic valve repair or replacement, etc.) can be coded separately within the database.
6160	Status post - Hybrid Approach "Stage 1", Application of RPA & LPA bands	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
6170	Status post - Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA)	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques.

- 6180 Status post Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands
- 6140 Status post Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)

6150 Status post - Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair

Status post - Transplant,

Heart and lung

Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".

Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".

Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.

Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.

Status post - Transplant, Heart Status post - Heart transplantation, any technique, allograft or xenograft.

Status post - Heart and lung (single or double) transplantation.

4910 Status post - Partial left Status post - Wedge resection of LV muscle, with

1590

1610

	ventriculectomy (LV volume reduction surgery) (Batista)	suturing of cut edges together, to reduce LV volume.
4920	Status post - Pericardial drainage procedure	Status post - Pericardial drainage can include a range of therapies including, but not limited to: pericardiocentesis, pericardiostomy tube placement, pericardial window creation, and open pericardial drainage (pericardiotomy).
4930	Status post - Pericardiectomy	Status post - Surgical removal of the pericardium.
4940	Status post - Pericardial procedure, Other	Status post - Other pericardial procedures that include, but are not limited to: pericardial reconstruction for congenital absence of the pericardium, pericardial biopsy, pericardial mass or cyst excision.
4950	Status post - Fontan, Atrio- pulmonary connection	Status post - Fontan-type procedure with atrio- pulmonary connection.
4960	Status post - Fontan, Atrio- ventricular connection	Status post - Fontan-type procedure with atrio- ventricular connection, either direct or with RA-RV conduit, valved or nonvalved.
4970	Status post - Fontan, TCPC, Lateral tunnel, Fenestrated	Status post - Total cavopulmonary connection using an intraatrial lateral tunnel construction, with fenestration.
4980	Status post - Fontan, TCPC, Lateral tunnel, Nonfenestrated	Status post - Total cavopulmonary connection using an intraatrial lateral tunnel construction, with no fenestration.
5000	Status post - Fontan, TCPC, External conduit, Fenestrated	Status post - Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with fenestration.
5010	Status post - Fontan, TCPC, External conduit, Nonfenestrated	Status post - Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with no fenestration.
5025	Status post - Fontan revision or conversion (Re-do Fontan)	Status post - Revision of a previous Fontan procedure to a total cavopulmonary connection.
5030	Status post - Fontan, Other	Status post - Other Fontan procedure not specified in procedure codes. May include takedown of a Fontan procedure.
6340	Status post - Fontan + Atrioventricular valvuloplasty	
5035	Status post - Ventricular septation	Status post - Creation of a prosthetic ventricular septum. Surgical procedure used to septate univentricular hearts with two atrioventricular valves. Additional procedures, such as resection of subpulmonic stenosis, should be listed separately.
5050	Status post - Congenitally corrected TGA repair, Atrial switch and ASO (double switch)	Status post - Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and arterial switch operation. VSD closure is usually performed as well; this should be coded separately.
5060	Status post - Congenitally	Status post - Repair of congenitally corrected TGA by

	corrected TGA repair, Atrial switch and Rastelli	concomitant atrial switch (Mustard or Senning) and VSD closure to the aortic valve with placement of an RV-to-PA conduit.
5070	Status post - Congenitally corrected TGA repair, VSD closure	Status post - Repair of congenitally corrected TGA by VSD closure only.
5080	Status post - Congenitally corrected TGA repair, VSD closure and LV to PA conduit	Status post - Repair of congenitally corrected TGA by VSD closure and placement of an LV-to-PA conduit.
5090	Status post - Congenitally corrected TGA repair, Other	Status post - Any procedures for correction of CCTGA not otherwised specified in other listed procedure codes.
5110	Status post - Arterial switch operation (ASO)	Status post - Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished.
5120	Status post - Arterial switch operation (ASO) and VSD repair	Status post - Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished. The VSD is closed, usually with a patch.
5123	Status post - Arterial switch procedure + Aortic arch repair	Status post - Concomitant arterial switch operation and repair of the aortic arch in patients with transposition of the great arteries with intact ventricular septum and associated coarctation of the aorta or interrupted aortic arch.
5125	Status post - Arterial switch procedure and VSD repair + Aortic arch repair	Status post - Concomitant arterial switch operation with VSD closure and repair of aortic arch in patients with transposition of the great arteries with VSD and associated coarctation of the aorta or interrupted aortic arch.
5130	Status post - Senning	Status post - Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while the pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Senning procedure uses atrial wall to construct the baffle.
5140	Status post - Mustard	Status post - Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Mustard procedure uses patch material to construct the baffle.

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	5145	Status post - Atrial baffle procedure, Mustard or Senning revision	Status post - Revision of a previous atrial baffle procedure (either Mustard or Senning), for any reason (e.g., obstruction, baffle leak).
	5150	Status post - Rastelli	Status post - Most often used for patients with TGA- VSD and significant LVOTO, the Rastelli operation consists of an LV-to-aorta intraventricular baffle closure of the VSD and placement of an RV-to-PA conduit.
	5160	Status post - REV	Status post - The Lecompte (REV) intraventricular repair is designed for patients with abnormalities of ventriculoarterial connection in whom a standard intraventricular tunnel repair cannot be performed. It is also suitable for patients in whom an arterial switch procedure with tunneling of the VSD to the pulmonary artery cannot be performed because of pulmonary (left ventricular outflow tract) stenosis. A right ventriculotomy incision is made. The infundibular (conal) septum, located between the two semilunar valves, is aggressively resected if its presence interferes with the construction of a tunnel from the VSD to the aorta. The VSD is then tunneled to the aorta. The decision to perform or not to perform the Lecompte maneuver should be made at the beginning of the operation. If the Lecompte maneuver is not performed the pulmonary artery is translocated to the right ventricular outflow tract on the side of the aorta that provides the shortest route. (When the decision to perform the Lecompte maneuver has been made, the great vessels are transected and this maneuver is performed at the beginning of the operation.) The pulmonary artery orifice is then closed. The aorta, if it had been transected during the performance of the Lecompte maneuver, is then reconstructed. A vertical incision is made on the anterior aspect of the main pulmonary artery is sutured to the superior aspect of the vertical right ventriculotomy incision. A generous patch of autologous pericardium is used to close the inferior portion of the right ventriculotomy and the anterior portion of the pulmonary artery. A monocusp pericardial valve is inserted extemporaneously.
	6190	Status post - Aortic root translocation over left ventricle (Including Nikaidoh procedure)	
	6210	Status post - TGA, Other procedures (Kawashima, LV- PA conduit, other)	
	5180	Status post - DORV, Intraventricular tunnel repair	Status post - Repair of DORV using a tunnel closure of the VSD to the aortic valve. This also includes the posterior straight tunnel repair of Kawashima
	5200	Status post - DOLV repair	Status post - Because of the morphologic variability of

		DOLV, there are many approaches to repair, including: intraventricular tunnel repair directing the VSD to the pulmonary valve, the REV procedure, or the Rastelli procedure. In the case of DOLV use this code for tunnel closure to the pulmonary valve. If the REV or Rastelli procedures are performed then use those respective codes.
5210	Status post - Coarctation repair, End to end	Status post - Repair of coarctation of aorta by excision of the coarctation segment and end-to-end circumferential anastomosis of the aorta.
5220	Status post - Coarctation repair, End to end, Extended	Status post - Repair of coarctation of the aorta by excision of the coarctation segment and end-to-end anastomosis of the oblique ends of the aorta, creating an extended anastomosis.
5230	Status post - Coarctation repair, Subclavian flap	Status post - Repair of coarctation of the aorta by ligating, dividing, and opening the subclavian artery, incising the coarctation site, and folding down the subclavian artery onto the incision in the aorta, suturing the subclavian "flap" in place, creating a roof over the area of the previous coarctation.
5240	Status post - Coarctation repair, Patch aortoplasty	Status post - Repair of coarctation of the aorta by incising the coarctation site with placement of a patch sutured in place longitudinally along the aortotomy edge.
5250	Status post - Coarctation repair, Interposition graft	Status post - Repair of coarctation of the aorta by resection of the coarctation segment and placement of a prosthetic tubular interposition graft anastomosed circumferentially to the cut ends of the aorta.
5260	Status post - Coarctation repair, Other	Status post - Any repair of coarctation not specified in procedure codes. This may include, for example, a combination of two approaches for coarctation repair or extra-anatomic bypass graft, etc.
5275	Status post - Coarctation repair + VSD repair	Status post - Coarctation of aorta repair, any technique, and simultaneous VSD repair, any type VSD, any type repair.
5280	Status post - Aortic arch repair	Status post - Aortic arch repair, any technique.
5285	Status post - Aortic arch repair + VSD repair	Status post - Aortic arch repair, any technique, and simultaneous VSD repair, any type VSD, any type repair. This includes repair of IAA with VSD.
5290	Status post - Coronary artery fistula ligation	Status post - Coronary artery fistula repair using any technique. If additional technique information may be supplied by another procedure code, please list separately (e.g., bypass graft).
5291	Status post - Anomalous origin of coronary artery from pulmonary artery repair	Status post - Repair of anomalous origin of the coronary artery (any) from the pulmonary artery, by any technique (ligation, translocation with aortic implantation, Takeuchi operation, bypass graft). If additional technique information may be supplied by another procedure code, please list separately (for example, bypass graft).

5300	Status post - Coronary artery bypass	Status post - Coronary artery bypass graft procedure, any technique (with or without CPB, venous or arterial graft, one or more grafts, etc.), for any coronary artery pathology (coronary arterial fistula, aneurysm, coronary bridging, atresia of left main, acquired coronary artery disease, etc.).
5305	Status post - Anomalous aortic origin of coronary artery from aorta (AAOCA) repair	
5310	Status post - Coronary artery procedure, Other	Status post - Any coronary artery procedure not specifically listed.
5320	Status post - Interrupted aortic arch repair	Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.
5330	Status post - PDA closure, Surgical	Status post - Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).
5340	Status post - PDA closure, Device	Status post - Closure of a PDA by device using transcatheter techniques.
5360	Status post - Vascular ring repair	Status post - Repair of vascular ring (any type, except pulmonary artery sling) by any technique.
5365	Status post - Aortopexy	Status post - Surgical fixation of the aorta to another structure (usually the posterior aspect of the sternum) to relieve compression on another vessel or structure (e.g., trachea).
5370	Status post - Pulmonary artery sling repair	Status post - Pulmonary artery sling repair by any technique.
5380	Status post - Aortic aneurysm repair	Status post - Aortic aneurysm repair by any technique.
5390	Status post - Aortic dissection repair	Status post - Aortic dissection repair by any technique.
5400	Status post - Lung biopsy	Status post - Lung biopsy, any technique.
1600	Status post - Transplant, Lung(s)	Status post - Lung or lobe transplantation of any type.
5420	Status post - Lung procedure, Other	Status post - Included in this procedure code would be any lung procedure other than transplant, such as, but not limited to: pneumonectomy (left or right), lobectomy (any lobe), bilobectomy (two lobes), segmental lung resection (any segment), or wedge resection.
5430	Status post - Pectus repair	Status post - Repair of pectus excavatum or carinatum by any technique.
5440	Status post - Tracheal procedure	Status post - Any tracheal procedure, including but not limited to relief of tracheal stenosis (any means including pericardial graft, autograft insertion, homograft insertion, resection with reanastomosis, rib

		cartilage insertion, or slide tracheoplasty). Tracheal stent placement or balloon dilation should be coded separately.
5450	Status post - Pacemaker implantation, Permanent	Status post - Implantation of a permanent pacemaker of any type (e.g., single-chamber, dual-chamber, atrial antitachycardia), with any lead configuration or type (atrial, ventricular, atrial and ventricular, transvenous, epicardial, transmural), by any technique (sternotomy, thoracotomy etc).
5460	Status post - Pacemaker procedure	Status post - Any revision to a previously placed pacemaker system including revisions to leads, generators, pacemaker pockets. This may include explantation of pacemakers or leads as well.
6350	Status post - Explantation of pacing system	
5470	Status post - ICD (AICD) implantation	Status post - Implantation of an (automatic) implantable cardioverter defibrillator system.
5480	Status post - ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure	Status post - Any revision to a previously placed AICD including revisions to leads, pads, generators, pockets. This may include explantation procedures as well.
5490	Status post - Arrhythmia surgery - atrial, Surgical Ablation	Status post - Surgical ablation (any type) of any atrial arrhythmia.
5500	Status post - Arrhythmia surgery - ventricular, Surgical Ablation	Status post - Surgical ablation (any type) of any ventricular arrhythmia.
6500	Status post - Cardiovascular catheterization procedure, Diagnostic	
6520	Status post - Cardiovascular catheterization procedure, Diagnostic, Angiographic data obtained	
6550	Status post - Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration	
6540	Status post - Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration	
6510	Status post - Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained	
6530	Status post - Cardiovascular catheterization procedure,	

- 6410 Status post Cardiovascular catheterization procedure, Therapeutic
- 6670 Status post Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy
- 6570 Status post Cardiovascular catheterization procedure, Therapeutic, Balloon dilation
- 6590 Status post Cardiovascular catheterization procedure, Therapeutic, Balloon valvotomy
- 6600 Status post Cardiovascular catheterization procedure, Therapeutic, Coil implantation
- 6610 Status post Cardiovascular catheterization procedure, Therapeutic, Device implantation
- 6640 Status post Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication)
- 6580 Status post Cardiovascular catheterization procedure, Therapeutic, Septostomy
- 6620 Status post Cardiovascular catheterization procedure, Therapeutic, Stent insertion
- 6630 Status post Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation
- 6650 Status post Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion
- 6660 Status post Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve
- 6680 Status post Cardiovascular electrophysiological

	catheterization procedure	
6690	Status post - Cardiovascular electrophysiological catheterization procedure, Therapeutic ablation	
5590	Status post - Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)	Status post - Placement of a tube graft from a branch of the aortic arch to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).
5600	Status post - Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)	Status post - A direct anastomosis or placement of a tube graft from the aorta to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).
5610	Status post - Shunt, Systemic to pulmonary, Other	Status post - Placement of any other systemic-to- pulmonary artery shunt, with or without bypass, from any approach (thoracotomy, sternotomy) that is not otherwise coded. Includes classic Blalock-Taussig systemic-to-pulmonary artery shunt.
5630	Status post - Shunt, Ligation and takedown	Status post - Takedown of any shunt.
6095	Status post - Shunt, Reoperation	
5640	Status post - PA banding (PAB)	Status post - Placement of a pulmonary artery band, any type.
5650	Status post - PA debanding	Status post - Debanding of pulmonary artery. Please list separately any pulmonary artery reconstruction required.
5660	Status post - Damus-Kaye- Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction)	Status post - In the Damus-Kaye-Stansel procedure the proximal transected main pulmonary artery is connected by varying techniques to the aorta.
5670	Status post - Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)	Status post - Superior vena cava to pulmonary artery anastomosis allowing flow to both pulmonary arteries with an end-to-side superior vena-to-pulmonary artery anastomosis.
5680	Status post - Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)	Status post - Superior vena cava to ipsilateral pulmonary artery anastomosis (i.e., LSVC to LPA, RSVC to RPA).
5690	Status post - Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)	Status post - Bilateral superior vena cava-to-pulmonary artery anastomoses (requires bilateral SVCs).
5700	Status post - HemiFontan	Status post - A HemiFontan is an operation that includes a bidirectional superior vena cava (SVC)-to-pulmonary artery anastomosis and the connection of this "SVC- pulmonary artery amalgamation" to the atrium, with a " dam" between this "SVC-pulmonary artery amalgamation" and the atrium. This operation can be

accomplished with a variety of operative strategies including the following two techniques and other techniques that combine elements of both of these approaches: (1) Augmenting both branch pulmonary arteries with a patch and suturing the augmented branch pulmonary arteries to an incision in the medial aspect of the superior vena cava. (With this approach, the pulmonary artery patch forms a roof over the SVC-topulmonary artery anastomosis and also forms a "dam" between the SVC-pulmonary artery amalgamation and the right atrium.) (2) Anastomosing both ends of the divided SVC to incisions in the top and bottom of the right pulmonary artery, and using a separate patch to close junction of the SVC and the right atrium.

		close junction of the SVC and the right atrium.
6330	Status post - Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty	
6130	Status post - Superior Cavopulmonary anastomosis(es) + PA reconstruction	
5710	Status post - Palliation, Other	Status post - Any other palliative procedure not specifically listed.
6360	Status post - ECMO cannulation	
6370	Status post - ECMO decannulation	
5910	Status post - ECMO procedure	Status post - Any ECMO procedure (cannulation, decannulation, etc.).
5900	Status post - Intraaortic balloon pump (IABP) insertion	Status post - Insertion of intraaortic balloon pump by any technique.
5920	Status post - Right/left heart assist device procedure	Status post - Any right, left, or biventricular assist device procedure (placement, removal etc.).
5920 6390		
	assist device procedure Status post - VAD	
6390	assist device procedure Status post - VAD explantation Status post - VAD	

- 6435 Status post Noncardiovascular, Non-thoracic procedure on cardiac patient with cardiac anesthesia
- 6440 Status post Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan)
- 6450 Status post Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI)
- 6460 Status post Radiology procedure on cardiac patient, Diagnostic radiology
- 6470 Status post Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient
- 6480 Status post Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient
- 6490 Status post Interventional radiology procedure on cardiac patient
- 5720 Status post Aneurysm, Ventricular, Right, Repair
- 5730 Status post Aneurysm, Ventricular, Left, Repair
- 5740 Status post Aneurysm, Pulmonary artery, Repair
- 5760 Status post Cardiac tumor resection
- 5780 Status post Pulmonary AV fistula repair/occlusion
- 5790 Status post Ligation, Pulmonary artery
- 5802 Status post Pulmonary embolectomy, Acute pulmonary embolus

5804 Status post - Pulmonary embolectomy, Chronic pulmonary embolus

5810 Status post - Pleural drainage

- technique.
- Status post Repair of left ventricular aneurysm, any technique.

Status post - Repair of right ventricular aneurysm, any

Status post - Repair of pulmonary artery aneurysm, any technique.

Status post - Resection of cardiac tumor, any type.

Status post - Repair or occlusion of a pulmonary arteriovenous fistula.

Status post - Ligation or division of the pulmonary artery. Most often performed as a secondary procedure.

Status post - Acute pulmonary embolism (clot) removal, through catheter or surgery.

Status post - Chronic pulmonary embolism (clot) removal, through catheter or surgery.

Status post - Pleural drainage procedure via

	procedure	thoracocentesis, tube thoracostomy, or open surgical drainage.
5820	Status post - Pleural procedure, Other	Status post - Other pleural procedures not specifically listed; may include pleurodesis (mechanical, talc, antibiotic or other), among others.
5830	Status post - Ligation, Thoracic duct	Status post - Ligation of the thoracic duct; most commonly for persistent chylothorax.
5840	Status post - Decortication	Status post - Decortication of the lung by any technique.
5850	Status post - Esophageal procedure	Status post - Any procedure performed on the esophagus.
5860	Status post - Mediastinal procedure	Status post - Any non-cardiovascular mediastinal procedure not otherwise listed.
5870	Status post - Bronchoscopy	Status post - Bronchoscopy, rigid or flexible, for diagnostic, biopsy, or treatment purposes (laser, stent, dilation, lavage).
5880	Status post - Diaphragm plication	Status post - Plication of the diaphragm; most often for diaphragm paralysis due to phrenic nerve injury.
5890	Status post - Diaphragm procedure, Other	Status post - Any diaphragm procedure not specifically listed.
5930	Status post - VATS (video- assisted thoracoscopic surgery)	Status post - Video-assisted thoracoscopic surgery utilized; this code should be used in addition to the specific procedure code (e.g., if PDA ligated using VATS technique, PDA ligation should be primary procedure, VATS should be secondary procedure).
5940	Status post - Minimally invasive procedure	Status post - Any procedure using minimally invasive technique; this code should be used in addition to the specific procedure code (e.g., if ASD closed using minimally invasive technique, ASD repair should be primary procedure, minimally invasive procedure should be listed additionally).
5950	Status post - Bypass for noncardiac lesion	Status post - Use of cardiopulmonary bypass for noncardiac lesion; this code may be used in addition to the specific procedure code if one is available (e.g., tracheal procedures may be done using CPB - the tracheal procedure should be the primary procedure and use of cardiopulmonary bypass for noncardiac lesion should be listed additionally).
5960	Status post - Delayed sternal closure	Status post - Sternal closure effected after patient has left operating room with sternum open, either because of swelling or electively after complex heart procedures. This procedure should be operative type No CPB Cardiovascular.
5970	Status post - Mediastinal exploration	Status post - Mediastinal exploration, most often for postoperative control of bleeding or tamponade, but may be exploration to assess mediastinal mass, etc.
5980	Status post - Sternotomy wound drainage	Status post - Drainage of the sternotomy wound.

5320

Yes

Yes

5990	Status post - Thoracotomy, Other	Status post - Any procedure performed through a thoracotomy incision not otherwise listed.
6000	Status post - Cardiotomy, Other	Status post - Any procedure involving an incision in the heart that is not otherwise listed.
6010	Status post - Cardiac procedure, Other	Status post - Any cardiac procedure, bypass or non- bypass, that is not otherwise listed.
6020	Status post - Thoracic and/or mediastinal procedure, Other	Status post - Any thoracic and/or mediastinal procedure not otherwise listed.
6030	Status post - Peripheral vascular procedure, Other	Status post - Any peripheral vascular procedure; may include procedures such as femoral artery repair, iliac artery repair, etc.
6040	Status post - Miscellaneous procedure, Other	Status post - Any miscellaneous procedure not otherwise listed.
6050	Status post - Organ procurement	Status post - Procurement of an organ for transplant (most likely, heart, lungs, or heart and lungs).
11777	Status post - Other procedure	Status post - Any procedure on any organ system not otherwise listed.

Long Name:Other Card-Congenital Diagnosis 2SeqNo:Short Name:OCarCongDiag2Core:Section Name:Other Cardiac ProceduresHarvest:

DBTableName AdultData

Definition: Indicate the second of the three most significant congenital diagnoses.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Other Card-Congenital	Format:	Text (categorical values specified by STS)
ParentShortName:	OCarCong	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	s and Value Definitions:		
Cod	e. Value.	Definition	ı.

Code.	value.	Deminuon.
10	PFO	Small interatrial communication in the region of the foramen ovale characterized by no deficiency of the septum primum and a normal limbus with no deficiency of the septum secundum.
20	ASD, Secundum	An ASD confined to the region of the fossa ovalis; its most common etiology is a deficiency of the septum primum, but deficiency of the limbus or septum secundum may also contribute.
30	ASD, Sinus venosus	Indicate if the patient has the diagnosis of "ASD, Sinus venosus". An "ASD, Sinus venosus" is defined as a defect with a vena cava or pulmonary vein (or veins)

	abase	Version. 2.75
		that overrides the atrial septum or the superior interatrial fold (septum secundum) producing an interatrial or anomalous venoatrial communication. Although the term sinus venosus atrial septal defect is commonly used, the lesion is more properly termed a sinus venosus communication because, while it functions as an interatrial communication, this lesion is not a defect of the true atrial septum.
40	ASD, Coronary sinus	Deficiency of the wall (sinus septum) separating the left atrium from the coronary sinus, often allowing blood to shunt from the left atrium to the right atrium via the coronary sinus ostium. May or may not be associated with a persistent left superior vena cava.
50	ASD, Common atrium (single atrium)	Complete absence of the interatrial septum. "Single atrium" is applied to defects with no associated malformation of the atrioventricular valves. "Common atrium" is applied to defects with associated malformation of the atrioventricular valves.
71	VSD, Type 1 (Subarterial) (Supracristal) (Conal septal defect) (Infundibular)	A VSD that lies beneath the semilunar valve(s) in the conal or outlet septum.
73	VSD, Type 2 (Perimembranous) (Paramembranous) (Conoventricular)	A VSD that is confluent with and involves the membranous septum and is bordered by an atrioventricular valve, not including type 3 VSDs.
75	VSD, Type 3 (Inlet) (AV canal type)	A VSD that involves the inlet of the right ventricular septum immediately inferior to the AV valve apparatus.
77	VSD, Type 4 (Muscular)	A VSD completely surrounded by muscle.
79	VSD, Type: Gerbode type (LV-RA communication)	A rare form of VSD in which the defect is at the membranous septum; the communication is between the left ventricle and right atrium.
80	VSD, Multiple	More than one VSD exists. Each individual VSD may be coded separately to specify the individual VSD types.
100	AVC (AVSD), Complete (CAVSD)	Indicate if the patient has the diagnosis of "AVC (AVSD), Complete (CAVSD)". An "AVC (AVSD), Complete (CAVSD)" is a "complete atrioventricular canal" or a "complete atrioventricular septal defect" and occurs in a heart with the phenotypic feature of a common atrioventricular junction. An "AVC (AVSD), Complete (CAVSD)" is defined as an AVC with a common AV valve and both a defect in the atrial septum just above the AV valve (ostium primum ASD [a usually crescent-shaped ASD in the inferior (posterior) portion of the atrial septum just above the AV valve])

and a defect in the ventricular septum just below the AV valve. The AV valve is one valve that bridges both the right and left sides of the heart. Balanced AVC is an AVC with two essentially appropriately sized ventricles. Unbalanced AVC is an AVC defect with two ventricles in which one ventricle is inappropriately

small. Such a patient may be thought to be a candidate for biventricular repair, or, alternatively, may be managed as having a functionally univentricular heart. AVC lesions with unbalanced ventricles so severe as to preclude biventricular repair should be classified as single ventricles. Rastelli type A: The common superior (anterior) bridging leaflet is effectively split in two at the septum. The left superior (anterior) leaflet is entirely over the left ventricle and the right superior (anterior) leaflet is similarly entirely over the right ventricle. The division of the common superior (anterior) bridging leaflet into left and right components is caused by extensive attachment of the superior (anterior) bridging leaflet to the crest of the ventricular septum by chordae tendineae. Rastelli type B: Rare, involves anomalous papillary muscle attachment from the right side of the ventricular septum to the left side of the common superior (anterior) bridging leaflet. Rastelli type C: Marked bridging of the ventricular septum by the superior (anterior) bridging leaflet, which floats freely (often termed a "free-floater") over the ventricular septum without chordal attachment to the crest of the ventricular septum.

An AVC with two distinct left and right AV valve orifices but also with both an ASD just above and a VSD just below the AV valves. While these AV valves in the intermediate form do form two separate orifices they remain abnormal valves. The VSD is often restrictive.

An AVC with an ostium primum ASD (a usually crescent-shaped ASD in the inferior (posterior) portion of the atrial septum just above the AV valve) and varying degrees of malformation of the left AV valve leading to varying degrees of left AV valve regurgitation. No VSD is present.

Indicate if the patient has the diagnosis of "AP window (aortopulmonary window)". An "AP window (aortopulmonary window)" is defined as a defect with side-to-side continuity of the lumens of the aorta and pulmonary arterial tree, which is distinguished from common arterial trunk (truncus arteriosus) by the presence of two arterial valves or their atretic remnants. (In other words, an aortopulmonary window is a communication between the main pulmonary artery and ascending aorta in the presence of two separate semilunar [pulmonary and aortic] valves. The presence of two separate semilunar valves distinguishes AP window from truncus arteriosus. Type 1 proximal defect: AP window located just above the sinus of Valsalva, a few millimeters above the semilunar valves, with a superior rim but little inferior rim separating the AP window from the semilunar valves. Type 2 distal

- 110 AVC (AVSD), Intermediate (transitional)
- 120 AVC (AVSD), Partial (incomplete) (PAVSD) (ASD, primum)
- 140 AP window (aortopulmonary window)

		defect: AP window located in the uppermost portion of the ascending aorta, with a well-formed inferior rim but little superior rim. Type 3 total defect: AP window involving the majority of the ascending aorta, with little superior and inferior rims. The intermediate type of AP window is similar to the total defect but with adequate superior and inferior rims. In the event of AP window occurring in association with interrupted aortic arch, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and AP window separately to provide further documentation about the individual interrupted arch and AP window types.)
150	Pulmonary artery origin from ascending aorta (hemitruncus)	One pulmonary artery arises from the ascending aorta and the other pulmonary artery arises from the right ventricle. DOES NOT include origin of the right or left pulmonary artery from the innominate artery or the aortic arch via a patent ductus arteriosus or collateral artery.
160	Truncus arteriosus	Indicate if the patient has the diagnosis of "Truncus arteriosus". A truncus arteriosus is also known as a common arterial trunk and is defined as a heart in which a single arterial trunk arises from the heart, giving origin to the coronary arteries, the pulmonary arteries, and the systemic arterial circulation. In the majority of instances there is a ventricular septal defect and a single semilunar valve which may contain two, three, four, or more leaflets and is occasionally dysplastic. Often, the infundibular septum is virtually absent superiorly. In most instances the truncal valve overrides the true interventricular septum (and thus both ventricles), but very rarely the truncal valve may override the right ventricle entirely. In such instances, there may be no ventricular septal defect or a very small ventricular septal defect, in which case the left ventricle and mitral valve may be extremely hypoplastic.
170	Truncal valve insufficiency	Functional abnormality - insufficiency - of the truncal valve. May be further subdivided into grade of insufficiency (I, II, III, IV or mild, moderate, severe).
2010	Truncus arteriosus + Interrupted aortic arch	Indicate if the patient has the diagnosis of "Truncus arteriosus + Interrupted aortic arch". {A truncus arteriosus is also known as a common arterial trunk and is defined as a heart in which a single arterial trunk arises from the heart, giving origin to the coronary arteries, the pulmonary arteries, and the systemic arterial circulation. In the majority of instances there is a ventricular septal defect and a single semilunar valve which may contain two, three, four, or more leaflets and is occasionally dysplastic. The infundibular septum is virtually absent superiorly. In most instances the

truncal valve overrides the true interventricular septum

(and thus both ventricles), but very rarely the truncal valve may override the right ventricle entirely. If in such case there is no ventricular septal defect, then the left ventricle and mitral valve may be extremely hypoplastic.} {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.}

Some, but not all of the pulmonary veins connect to the right atrium or to one or more of its venous tributaries. This definition excludes sinus venosus defects with normally connected but abnormally draining pulmonary veins (the pulmonary veins may drain abnormally into the right atrium via the atrial septal defect).

The right pulmonary vein(s) connect anomalously to the inferior vena cava or to the right atrium at the insertion of the inferior vena cava. The descending vertical vein resembles a scimitar (Turkish sword) on frontal chest x-ray. Frequently associated with: hypoplasia of the right lung with bronchial anomalies; dextroposition and/or dextrorotation of the heart; hypoplasia of the right pulmonary artery; and anomalous subdiaphragmatic systemic arterial supply to the lower lobe of the right lung directly from the aorta or its main branches.

All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 1 (supracardiac) TAPVC, the anomalous connection is at the supracardiac level and can be obstructed or nonobstructed.

All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 2 (cardiac) TAPVC, the anomalous connection is to the heart, either to the right atrium directly or to the coronary sinus. Most patients with type 2 TAPVC are nonobstructed.

All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 3 (infracardiac) TAPVC, the anomalous connection is at the infracardiac level (below the diaphragm), with the pulmonary

180 Partial anomalous pulmonary venous connection (PAPVC)

190 Partial anomalous pulmonary venous connection (PAPVC), scimitar

- 200 Total anomalous pulmonary venous connection (TAPVC), Type 1 (supracardiac)
- 210 Total anomalous pulmonary venous connection (TAPVC), Type 2 (cardiac)
- 220 Total anomalous pulmonary venous connection (TAPVC), Type 3 (infracardiac)

		venous return entering the right atrium ultimately via the inferior vena cava. In the vast majority of patients infracardiac TAPVC is obstructed.
23	0 Total anomalous pulmonary venous connection (TAPVC), Type 4 (mixed)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 4 (mixed) TAPVC, the anomalous connection is at two or more of the above levels (supracardiac, cardiac, infracardiac) and can be obstructed or nonobstructed.
25	0 Cor triatriatum	In the classic form of cor triatriatum a membrane divides the left atrium (LA) into a posterior accessory chamber that receives the pulmonary veins and an anterior chamber (LA) that communicates with the mitral valve. In differentiating cor triatriatum from supravalvar mitral ring, in cor triatriatum the posterior compartment contains the pulmonary veins while the anterior contains the left atrial appendage and the mitral valve orifice; in supravalvar mitral ring, the anterior compartment contains only the mitral valve orifice. Cor triatriatum dexter (prominent venous valve producing obstruction of the IVC and tricuspid valve) is to be coded as a systemic venous obstruction, not as a form of cor triatriatum.
26	0 Pulmonary venous stenosis	Any pathologic narrowing of one or more pulmonary veins. Can be further subdivided by etiology (congenital, acquired-postoperative, acquired- nonpostoperative) and extent of stenosis (diffusely hypoplastic, long segment focal/tubular stenosis, discrete stenosis).
27	0 Systemic venous anomaly	Anomalies of the systemic venous system (superior vena cava (SVC), inferior vena cava (IVC), brachiocephalic veins (often the innominate vein), azygos vein, coronary sinus, levo-atrial cardinal vein) arising from one or more anomalies of origin, duplication, course, or connection. Examples include abnormal or absent right SVC with LSVC, bilateral SVC, interrupted right or left IVC, azygos continuation of IVC, and anomalies of hepatic drainage. Bilateral SVC may have, among other configurations: 1) RSVC draining to the RA and the LSVC to the LA with completely unroofed coronary sinus, 2) RSVC draining to the RA and LSVC to the coronary sinus which drains (abnormally) into the LA and LSVC to LA. Anomalies of the inferior vena caval system include, among others: 1) left IVC to LA, 2) biatrial drainage, or 3) interrupted IVC (left or right) with azygos continuation to an LSVC or RSVC.
28	0 Systemic venous obstruction	Obstruction of the systemic venous system (superior vena cava (SVC), inferior vena cava (IVC),

290 TOF

brachiocephalic veins (often the innominate vein), azygos vein, coronary sinus, levo-atrial cardinal vein) arising from congenital or acquired stenosis or occlusion. Cor triatriatum dexter (prominent venous valve producing obstruction of the IVC and tricuspid valve) is to be coded as a systemic venous obstruction, not as a form of cor triatriatum.

Indicate if the patient has the diagnosis of "TOF". Only use this diagnosis if it is NOT known if the patient has one of the following four more specific diagnoses: (1). "TOF, Pulmonary stenosis", (2). "TOF, AVC (AVSD)" , (3). "TOF, Absent pulmonary valve", (4). " Pulmonary atresia, VSD (Including TOF, PA)", or (5). " Pulmonary atresia, VSD-MAPCA (pseudotruncus)".{" TOF" is "Tetralogy of Fallot" and is defined as a group of malformations with biventricular atrioventricular alignments or connections characterized by anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing or atresia of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta. Hearts with tetralogy of Fallot will always have a ventricular septal defect, narrowing or atresia of the pulmonary outflow, and aortic override; hearts with tetralogy of Fallot will most often have right ventricular hypertrophy.} (An additional, often muscular [Type 4] VSD may be seen with TOF and should be coded separately as a secondary diagnosis as "VSD, Type 4 (Muscular)". Pulmonary arteries may be diminutive or there may be an absent left or right pulmonary artery; additional coding for pulmonary artery and/or branch pulmonary artery stenoses may be found under RVOT obstruction. Abnormal coronary artery distribution may also be associated with tetralogy of Fallot and may be coded separately under coronary artery anomalies. The presence of associated anomalies such as additional VSD, atrial septal defect, right aortic arch, left superior vena cava, and coronary artery anomalies must be subspecified as an additional or secondary diagnosis under the primary TOF diagnosis. TOF with absent pulmonary valve or TOF with associated complete atrioventricular canal are NOT to be secondary diagnoses under TOF - they are separate entities and should be coded as such. Controversy surrounds the differentiation between TOF and double outlet right ventricle [DORV]; in the nomenclature used here, DORV is defined as a type of ventriculoarterial connection in which both great vessels arise predominantly from the right ventricle. TOF with pulmonary atresia is to be coded under "Pulmonary atresia-VSD.")

2140 TOF, Pulmonary stenosis Indicate if the patient has the diagnosis of "TOF, Pulmonary stenosis". Use this diagnosis if the patient

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has tetralogy of Fallot and pulmonary stenosis. Do not use this diagnosis if the patient has tetralogy of Fallot and pulmonary atresia. Do not use this diagnosis if the patient has tetralogy of Fallot and absent pulmonary valve. Do not use this diagnosis if the patient has tetralogy of Fallot and atrioventricular canal. {Tetralogy of Fallot is defined as a group of malformations with biventricular atrioventricular alignments or connections characterized by anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing or atresia of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta. Hearts with tetralogy of Fallot will always have a ventricular septal defect, narrowing or atresia of the pulmonary outflow, and aortic override; hearts with tetralogy of Fallot will most often have right ventricular hypertrophy. (An additional, often muscular [Type 4] VSD may be seen with TOF and should be coded separately as a secondary diagnosis as "VSD, Type 4 (Muscular)". Pulmonary arteries may be diminutive or there may be an absent left or right pulmonary artery; additional coding for pulmonary artery and/or branch pulmonary artery stenoses may be found under RVOT obstruction. Abnormal coronary artery distribution may also be associated with tetralogy of Fallot and may be coded separately under coronary artery anomalies. The presence of associated anomalies such as additional VSD, atrial septal defect, right aortic arch, left superior vena cava, and coronary artery anomalies must be subspecified as an additional or secondary diagnosis under the primary TOF diagnosis. TOF with absent pulmonary valve or TOF with associated complete atrioventricular canal are NOT to be secondary diagnoses under TOF - they are separate entities and should be coded as such. Controversy surrounds the differentiation between TOF and double outlet right ventricle [DORV]; in the nomenclature used here, DORV is defined as a type of ventriculoarterial connection in which both great vessels arise predominantly from the right ventricle. TOF with pulmonary atresia is to be coded under "Pulmonary atresia-VSD.")} TOF with complete common atrioventricular canal defect is a rare variant of common atrioventricular canal defect with the associated construncal abnormality of

TOF. The anatomy of the endocardial cushion defect is that of Rastelli type C in almost all cases.
310 TOF, Absent pulmonary valve
Indicate if the patient has the diagnosis of "TOF, Absent pulmonary valve". "TOF, Absent pulmonary valve" is "Tetralogy of Fallot with Absent pulmonary valve" and is defined as a malformation with all of the morphologic characteristics of tetralogy of Fallot (anterosuperior

300 TOF, AVC (AVSD)

deviation of the conal or outlet septum or its fibrous remnant, narrowing of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta), in which the ventriculo-arterial junction of the right ventricle with the main pulmonary artery features an atypical valve with rudimentary cusps that lack the anatomical semilunar features of normal valve cusps and which functionally do not achieve central coaptation. The physiologic consequence is usually a combination of variable degrees of both stenosis and regurgitation of the pulmonary valve. A developmental accompaniment of this anatomy and physiology is dilatation of the main pulmonary artery and central right and left pulmonary arteries, which when extreme, is associated with abnormal arborization of lobar and segmental pulmonary artery branches and with compression of the trachea and mainstem bronchi. One theory holds that absence of the arterial duct or ductal ligament (which is a nearly constant finding in cases of tetralogy of Fallot with absent pulmonary valve) in combination with pulmonary `valve stenosis and regurgitation, comprise the physiologic conditions which predispose to central pulmonary artery dilatation during fetal development. (Tetralogy of Fallot with Absent Pulmonary Valve Syndrome is a term frequently used to describe the clinical presentation when it features both circulatory alterations and respiratory distress secondary to airway compression.) Pulmonary atresia defects which do not readily fall into

pulmonary atresia-intact ventricular septum or pulmonary atresia-VSD (with or without MAPCAs) categories. These may include complex lesions in which pulmonary atresia is a secondary diagnosis, for example, complex single ventricle malformations with associated pulmonary atresia.

Pulmonary atresia (PA) and intact ventricular septum (IVS) is a duct-dependent congenital malformation that forms a spectrum of lesions including atresia of the pulmonary valve, a varying degree of right ventricle and tricuspid valve hypoplasia, and anomalies of the coronary circulation. An RV dependent coronary artery circulation is present when coronary artery fistulas (coronary sinusoids) are associated with a proximal coronary artery stenosis. Associated Ebstein's anomaly of the tricuspid valve can be present; the tricuspid diameter is enlarged and the prognosis is poor.

Pulmonary atresia (PA) and ventricular septal defect (VSD) is a heterogeneous group of congenital cardiac malformations in which there is lack of luminal continuity and absence of blood flow from either ventricle (in cases with ventriculo-arterial discordance)

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330

320 Pulmonary atresia

Pulmonary atresia, IVS

Pulmonary atresia, VSD

(Including TOF, PA)

and the pulmonary artery, in a biventricular heart that has an opening or a hole in the interventricular septum (VSD). The malformation forms a spectrum of lesions including tetralogy of Fallot with pulmonary atresia. Tetralogy of Fallot with PA is a specific type of PA-VSD where the intracardiac malformation is more accurately defined (extreme underdevelopment of the RV infundibulum with marked anterior and leftward displacement of the infundibular septum often fused with the anterior wall of the RV resulting in complete obstruction of blood flow into the pulmonary artery and associated with a large outlet, subaortic ventricular septal defect). In the vast majority of cases of PA-VSD the intracardiac anatomy is that of TOF. The pulmonary circulation in PA-VSD is variable in terms of origin of blood flow, presence or absence of native pulmonary arteries, presence or absence of major aortopulmonary collateral arteries (MAPCA(s)), and distal distribution (pulmonary parenchymal segment arborization) abnormalities. Native pulmonary arteries may be present or absent. If MAPCAs are present this code should not be used; instead, Pulmonary atresia, VSD-MAPCA (pseudotruncus) should be used.

MAPCA(s) are large and distinct arteries, highly variable in number, that usually arise from the descending thoracic aorta, but uncommonly may originate from the aortic arch or the subclavian, carotid or even the coronary arteries. MAPCA(s) may be associated with present or absent native pulmonary arteries. If present, the native pulmonary arteries may be hypoplastic, and either confluent or nonconfluent. Systemic pulmonary collateral arteries have been categorized into 3 types based on their site of origin and the way they connect to the pulmonary circulation: direct aortopulmonary collaterals, indirect aortopulmonary collaterals, and true bronchial arteries. Only the first two should be considered MAPCA(s). If MAPCA(s) are associated with PA-VSD or TOF, PA this code should be used.

Rarely MAPCA(s) may occur in patents who do not have PA-VSD, but have severe pulmonary stenosis. The intracardiac anatomy in patients who have MAPCA(s) without PA should be specifically coded in each case as well.

Indicate if the patient has the diagnosis of "Ebstein's anomaly". Ebstein's anomaly is a malformation of the tricuspid valve and right ventricle that is characterized by a spectrum of several features: (1) incomplete delamination of tricuspid valve leaflets from the myocardium of the right ventricle; (2) downward (apical) displacement of the functional annulus; (3) dilation of the "atrialized" portion of the right ventricle

350 Pulmonary atresia, VSD-MAPCA (pseudotruncus)

360 MAPCA(s) (major aortopulmonary collateral[s]) (without PA-VSD)

370 Ebstein's anomaly

with variable degrees of hypertrophy and thinning of the wall; (4) redundancy, fenestrations, and tethering of the anterior leaflets; and (5) dilation of the right atrioventricular junction (the true tricuspid annulus). These anatomical and functional abnormalities cause tricuspid regurgitation (and rarely tricuspid stenosis) that results in right atrial and right ventricular dilatation and atrial and ventricular arrhythmias. With increasing degrees of anatomic severity of malformation, the fibrous transformation of leaflets from their muscular precursors remains incomplete, with the septal leaflet being most severely involved, the posterior leaflet less severely involved, and the anterior leaflet usually the least severely involved. Associated cardiac anomalies include an interatrial communication, the presence of accessory conduction pathways often associated with Wolff-Parkinson-White syndrome, and dilation of the right atrium and right ventricle in patients with severe Ebstein's anomaly. (Varying degrees of right ventricular outflow tract obstruction may be present, including pulmonary atresia in some cases. Such cases of Ebstein's anomaly with pulmonary atresia should be coded with a Primary Diagnosis of "Ebstein's anomaly" , and a Secondary Diagnosis of "Pulmonary atresia".) (Some patients with atrioventricular discordance and ventriculoarterial discordance in situs solitus [congenitally corrected transposition] have an Ebsteinlike deformity of the left-sided morphologically tricuspid valve. The nature of the displacement of the septal and posterior leaflets is similar to that in rightsided Ebstein's anomaly in patients with atrioventricular concordance and ventriculoarterial concordance in situs solitus. These patients with "Congenitally corrected TGA" and an Ebstein-like deformity of the left-sided morphologically tricuspid valve should be coded with a Primary Diagnosis of "Congenitally corrected TGA", and a Secondary Diagnosis of "Ebstein's anomaly".)

 Tricuspid regurgitation, non-Ebstein's related
 Non-Ebstein's tricuspid regurgitation may be due to congenital factors (primary annular dilation, prolapse, leaflet underdevelopment, absent papillary muscle/chordae) or acquired (post cardiac surgery or

## 390 Tricuspid stenosis

Tricuspid stenosis may be due to congenital factors (valvular hypoplasia, abnormal subvalvar apparatus, double-orifice valve, parachute deformity) or acquired (post cardiac surgery or secondary to carcinoid, rheumatic fever, tumor, systemic disease, iatrogenic, or other causes).

secondary to rheumatic fever, endocarditis, trauma, tumor, cardiomyopathy, iatrogenic or other causes).

- 400Tricuspid regurgitation and<br/>tricuspid stenosisTricuspid regurgitation present with tricuspid stenosis400Tricuspid regurgitation and<br/>may be due to congenital factors or acquired.
- 410 Tricuspid valve, Other Tricuspid valve pathology not otherwise specified in

		diagnosis definitions 370, 380, 390 and 400.
420	Pulmonary stenosis, Valvar	Pulmonary stenosis, Valvar ranges from critical neonatal pulmonic valve stenosis with hypoplasia of the right ventricle to valvar pulmonary stenosis in the infant, child, or adult, usually better tolerated but potentially associated with infundibular stenosis. Pulmonary branch hypoplasia can be associated. Only 10% of neonates with Pulmonary stenosis, Valvar with intact ventricular septum have RV-to-coronary artery fistula(s). An RV dependent coronary artery circulation is present when coronary artery fistulas (coronary sinusoids) are associated with a proximal coronary artery stenosis; this occurs in only 2% of neonates with Pulmonary stenosis, Valvar with IVS.
430	Pulmonary artery stenosis (hypoplasia), Main (trunk)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis (hypoplasia), Main (trunk)". " Pulmonary artery stenosis (hypoplasia), Main (trunk)" is defined as a congenital or acquired anomaly with pulmonary trunk (main pulmonary artery) narrowing or hypoplasia. The stenosis or hypoplasia may be isolated or associated with other cardiac lesions. Since the narrowing is distal to the pulmonic valve, it may also be known as supravalvar pulmonary stenosis.
440	Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)". "Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)" is defined as a congenital or acquired anomaly with central pulmonary artery branch (within the hilar bifurcation involving the right or left pulmonary artery, or both) narrowing or hypoplasia. The stenosis or hypoplasia may be isolated or associated with other cardiac lesions. Coarctation of the pulmonary artery is related to abnormal extension of the ductus arteriosus into a pulmonary branch, more frequently the left branch.
450	Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)". "Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)" is defined as a congenital or acquired anomaly with peripheral pulmonary artery narrowing or hypoplasia (at or beyond the hilar bifurcation). The stenosis or hypoplasia may be isolated or associated with other cardiac lesions.
470	Pulmonary artery, Discontinuous	Indicate if the patient has the diagnosis of "Pulmonary artery, Discontinuous". Pulmonary artery, Discontinuous" is defined as a congenital or acquired anomaly with discontinuity between the branch pulmonary arteries or between a branch pulmonary artery and the main pulmonary artery trunk.
490	Pulmonary stenosis, Subvalvar	Subvalvar (infundibular) pulmonary stenosis is a

		narrowing of the outflow tract of the right ventricle below the pulmonic valve. It may be due to a localized fibrous diaphragm just below the valve, an obstructing muscle bundle or to a long narrow fibromuscular channel.
500	DCRV	The double chambered right ventricle is characterized by a low infundibular (subvalvar) stenosis rather than the rare isolated infundibular stenosis that develops more superiorly in the infundibulum, and is often associated with one or several closing VSDs. In some cases, the VSD is already closed. The stenosis creates two chambers in the RV, one inferior including the inlet and trabecular portions of the RV and one superior including the infundibulum.
510	Pulmonary valve, Other	Other anomalies of the pulmonary valve may be listed here including but not restricted to absent pulmonary valve.
530	Pulmonary insufficiency	Pulmonary valve insufficiency or regurgitation may be due to congenital factors (primary annular dilation, prolapse, leaflet underdevelopment, etc.) or acquired (for example, post cardiac surgery for repair of tetralogy of Fallot, etc.).
540	Pulmonary insufficiency and pulmonary stenosis	Pulmonary valve insufficiency and pulmonary stenosis beyond the neonatal period, in infancy and childhood, may be secondary to leaflet tissue that has become thickened and myxomatous. Retraction of the commissure attachment frequently creates an associated supravalvar stenosis.
2130	Shunt failure	Indicate if the patient has the diagnosis of "Shunt failure ". This diagnostic subgroup includes failure of any of a variety of shunts ("Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)", "Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)", "Shunt, Systemic to pulmonary, Other", and "Sano Shunt"), secondary to any of the following etiologies: shunt thrombosis, shunt occlusion, shunt stenosis, shunt obstruction, and shunt outgrowth. This diagnosis ("Shunt failure") would be the primary diagnosis in a patient with, for example, " Hypoplastic left heart syndrome (HLHS)" who underwent a "Norwood procedure" with a "Modified Blalock-Taussig Shunt" and now requires reoperation for thrombosis of the "Modified Blalock-Taussig Shunt" . The underlying or fundamental diagnosis in this patient is "Hypoplastic left heart syndrome (HLHS)", but the primary diagnosis for the operation to be performed to treat the thrombosis of the "Modified Blalock-Taussig Shunt" would be "Shunt failure".

Please note that the choice "2130 Shunt failure" does not include "520 Conduit failure".

520	Conduit failure	Indicate if the patient has the diagnosis of "Conduit failure". This diagnostic subgroup includes failure of any of a variety of conduits (ventricular [right or left]-to- PA conduits, as well as a variety of other types of conduits [ventricular {right or left}-to-aorta, RA-to-RV, etc.]), secondary to any of the following etiologies: conduit outgrowth, obstruction, stenosis, insufficiency, or insufficiency and stenosis. This diagnosis ("Conduit failure") would be the primary diagnosis in a patient with, for example, "Truncus arteriosus" repaired in infancy who years later is hospitalized because of conduit stenosis/insufficiency. The underlying or fundamental diagnosis in this patient is "Truncus arteriosus", but the primary diagnosis for the operation to be performed during the hospitalization (in this case, " Conduit reoperation") would be "Conduit failure". Please note that the choice "520 Conduit failure" does not include "2130 Shunt failure".
550	Aortic stenosis, Subvalvar	Subaortic obstruction can be caused by different lesions: subaortic membrane or tunnel, accessory mitral valve tissue, abnormal insertion of the mitral anterior leaflet to the ventricular septum, deviation of the outlet septum (seen in coarctation of the aorta and interrupted aortic arch), or a restrictive bulboventricular foramen in single ventricle complexes. The Shone complex consists of subvalvar aortic stenosis in association with supravalvar mitral ring, parachute mitral valve, and coarctation of aorta. Subvalvar aortic stenosis may be categorized into two types: localized subvalvar aortic stenosis, which consists of a fibrous or fibromuscular ridge, and diffuse tunnel subvalvar aortic stenosis, in which circumferential narrowing commences at the annular level and extends downward for 1-3 cm. Idiopathic hypertrophic obstructive cardiomyopathy (HOCM), and is characterized by a primary hypertrophy of the myocardium. The obstructive forms involve different degrees of dynamic subvalvar aortic obstruction from a thickened ventricular wall and anterior motion of the mitral valve. Definitive nomenclature and therapeutic options for IHSS are listed under cardiomyopathy.
560	Aortic stenosis, Valvar	Valvar aortic stenosis may be congenital or acquired. In its congenital form there are two types: critical (infantile), seen in the newborn in whom systemic perfusion depends on a patent ductus arteriosus, and noncritical, seen in infancy or later. Acquired valvar stenosis may be seen after as a result of rheumatic valvar disease, or from stenotic changes of an aortic valve prosthesis. Congenital valvar stenosis may result: (1) from complete fusion of commissures (acommissural) that results in a dome-shaped valve with

	45466	
		a pinpoint opening (seen most commonly in infants with critical aortic valve stenosis); (2) from a unicommissural valve with one defined commissure and eccentric orifice (often with two raphes radiating from the ostium indicating underdeveloped commissures of a tricuspid aortic valve); (3) from a bicuspid aortic valve, with leaflets that can be equal in size or discrepant, and in left-right or anterior-posterior position; and finally (4) from a dysplastic tricuspid valve, which may have a gelatinous appearance with thick rarely equal in size leaflets, often obscuring the commissures. The dysplastic, tricuspid or bicuspid form of aortic valve deformity may not be initially obstructive but may become stenotic later in life due to leaflet thickening and calcification.
570	Aortic stenosis, Supravalvar	Congenital supravalvar aortic stenosis is described as three forms: an hourglass deformity, a fibrous membrane, and a diffuse narrowing of the ascending aorta. The disease can be inherited as an autosomal dominant trait or part of Williams-Beuren syndrome in association with mental retardation, elfin facies, failure to thrive, and occasionally infantile hypercalcemia. Supravalvar aortic stenosis may involve the coronary artery ostia, and the aortic leaflets may be tethered. The coronary arteries can become tortuous and dilated due to elevated pressures and early atherosclerosis may ensue. Supravalvar aortic stenosis may also be acquired: (1) after a neoaortic reconstruction such as arterial switch, Ross operation, or Norwood procedure; (2) at a suture line from a previous aortotomy or cannulation; and (3) from a narrowed conduit.
590	Aortic valve atresia	Aortic valve atresia will most often be coded under the Hypoplastic left heart syndrome/complex diagnostic codes since it most often occurs as part of a spectrum of cardiac malformations. However, there is a small subset of patients with aortic valve atresia who have a well- developed left ventricle and mitral valve and a large VSD (nonrestrictive or restrictive). The diagnostic code "Aortic valve atresia" enables users to report those patients with aortic valve atresia and a well-developed systemic ventricle without recourse to either a hypoplastic left heart syndrome/complex diagnosis or a single ventricle diagnosis.
600	Aortic insufficiency	Congenital aortic regurgitation/insufficiency is rare as an isolated entity. There are rare reports of congenital malformation of the aortic valve that result in aortic insufficiency shortly after birth from an absent or underdeveloped aortic valve cusp. Aortic insufficiency is more commonly seen with other associated cardiac anomalies: (1) in stenotic aortic valves (commonly stenotic congenital bicuspid aortic valves) with some degree of aortic regurgitation due to aortic leaflet

abnormality; (2) in association with a VSD (especially in supracristal or conal type I VSD, more commonly seen in Asian populations); (3) secondary to aortic-left ventricular tunnel; (4) secondary to tethering or retraction of aortic valve leaflets in cases of supravalvar aortic stenosis that may involve the aortic valve; and similarly (5) secondary to encroachment on an aortic cusp by a subaortic membrane; or (6) turbulence caused by a stenotic jet can create progressive aortic regurgitation. Aortic insufficiency may also result from: (1) post-procedure such as closed or open valvotomy or aortic valve repair, VSD closure, balloon valvotomy, or diagnostic catheterization; (2) in the neoaorta post arterial switch, pulmonary autograft (Ross) procedure, homograft placement, Norwood procedure, or Damus-Kaye-Stansel procedure; (3) as a result of endocarditis secondary to perforated or prolapsed leaflets or annular dehiscence; (4) secondary to annuloaortic ectasia with prolapsed or noncoapting leaflets; (5) secondary to trauma, blunt or penetrating; or (6) as a result of aortitis, bacterial, viral or autoimmune. Aortic regurgitation secondary to prosthetic failure should be coded first as either conduit failure or prosthetic valve failure, as applicable, and secondarily as aortic regurgitation secondary to prosthetic failure (perivalvar or due to structural failure). The underlying fundamental diagnosis that led to the initial conduit or valve prosthesis placement should also be described.

- 610 Aortic insufficiency and Aortic insufficiency is often seen in association with stenotic aortic valve, commonly the stenotic congenital bicuspid aortic valve. The degree of aortic regurgitation is due to the severity of the aortic leaflet abnormality.
  - This diagnostic subgroup may be used to delineate aortic valve cusp number (unicuspid, bicuspid, tricuspid, more than three cusps), commissural fusion (nromal, partially fused, completely fused), and valve leaflet (normal, thickened, dysplastic, calcified, gelatinous), annulus (normal, hypoplastic, calcified), or sinus description (normal, dilated). Note that any extensive descriptors chosen within those made available by a vendor will be converted, at harvest, to Aortic valve, Other.

The sinus of Valsalva is defined as that portion of the 630 Sinus of Valsalva aneurysm aortic root between the aortic root annulus and the sinotubular ridge. A congenital sinus of Valsalva aneurysm is a dilation usually of a single sinus of Valsalva. These most commonly originate from the right sinus (65%-85%), less commonly from the noncoronary sinus (10%-30%), and rarely from the left sinus (<5%). A true sinus of Valsalva aneurysm presents above the aortic annulus. The hierarchical coding system distinguishes between congenital versus

aortic stenosis

620 Aortic valve, Other

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	acquired, ruptured versus nonruptured, sinus of origin, and chamber/site of penetration (right atrium, right ventricle, left atrium, left ventricle, pulmonary artery, pericardium). A nonruptured congenital sinus of Valsalva aneurysm may vary from a mild dilation of a single aortic sinus to an extensive windsock deformity. Rupture of a congenital sinus of Valsalva aneurysm into an adjacent chamber occurs most commonly between the ages of 15-30 years. Rupture may occur spontaneously, after trauma, after strenuous physical exertion, or from acute bacterial endocarditis. Congenital etiology is supported by the frequent association of sinus of Valsalva aneurysms with VSDs. Other disease processes are also associated with sinus of Valsalva aneurysm and include: syphilis, endocarditis, cystic medial necrosis, atherosclerosis, and trauma. Acquired sinus of Valsalva aneurysms more frequently involve multiple sinuses of Valsalva; when present in multiple form they are more appropriately classified as aneurysms of the aortic root.
LV to aorta tunnel	The aortico-left ventricular tunnel (LV-to-aorta tunnel) is an abnormal paravalvular (alongside or in the vicinity of a valve) communication between the aorta and left ventricle, commonly divided into 4 types: (1) type I, a simple tunnel with a slit-like opening at the aortic end and no aortic valve distortion; (2) type II, a large extracardiac aortic wall aneurysm of the tunnel with an oval opening at the aortic end, with or without ventricular distortion; (3) type III, intracardiac aneurysm of the septal portion of the tunnel, with or without right ventricular outflow obstruction; and (4) type IV, a combination of types II and III. Further differentiation within these types may be notation of right coronary artery arising from the wall of the tunnel. If a LV-to-aorta tunnel communicates with the right ventricle, many feel that the defect is really a ruptured sinus of Valsalva aneurysm.
Mitral stenosis, Supravalvar mitral ring	Supravalvar mitral ring is formed by a circumferential ridge of tissue that is attached to the anterior mitral valve leaflet (also known as the aortic leaflet) slightly below its insertion on the annulus and to the atrium slightly above the attachment of the posterior mitral valve leaflet (also known as the mural leaflet). Depending on the diameter of the ring orifice, varying degrees of obstruction exist. The underlying valve is usually abnormal and frequently stenotic or hypoplastic. Supravalvar mitral ring is commonly associated with other stenotic lesions such as parachute or hammock valve (subvalvar stenosis), papillary muscle fusion (subvalvar stenosis), and double orifice mitral valve (valvar stenosis). Differentiation from cor triatriatum focuses on the compartments created by the supravalvar ring. In cor triatriatum the posterior

		compartment contains the pulmonary veins; the anterior contains the left atrial appendage and the mitral valve orifice. In supravalvar mitral ring, the posterior compartment contains the pulmonary veins and the left atrial appendage; the anterior compartment contains only the mitral valve orifice. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
660	Mitral stenosis, Valvar	Valvar mitral stenosis may arise from congenital (annular and / or leaflet) or acquired causes, both surgical (after mitral valve repair or replacement or other cardiac surgery) and non-surgical (post rheumatic heart disease, infective endocarditis, ischemia, myxomatomous degeneration, trauma, or cardiomyopathy). Mitral valve annular hypoplasia is distinguished from severe mitral valve hypoplasia and mitral valve atresia, which are typically components of hypoplastic left heart syndrome. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
670	Mitral stenosis, Subvalvar	Congenital subvalvar mitral stenosis may be due to obstructive pathology of either the chordae tendineae and / or papillary muscles which support the valve leaflets. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
680	Mitral stenosis, Subvalvar, Parachute	In parachute mitral valve, all chordae are attached to a single papillary muscle originating from the posterior ventricular wall. When the interchordal spaces are partially obliterated valvar stenosis results. This defect also causes valvar insufficiency, most commonly due to a cleft leaflet, a poorly developed anterior leaflet, short chordae, or annular dilatation. This lesion is also part of Shone's anomaly, which consists of the parachute mitral valve, supravalvar mitral ring, subaortic stenosis, and coarctation of the aorta. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
695	Mitral stenosis	Stenotic lesions of the mitral valve not otherwise specified in the diagnosis definitions 650, 660, 670, and 680.
700	Mitral regurgitation and mitral stenosis	Mitral regurgitation and mitral stenosis may arise from congenital or acquired causes or after cardiac surgery. Additional details to aid in coding specific components

710 Mitral regurgitation

720 Mitral valve, Other

2080 Shone's syndrome

Hypoplastic left heart

syndrome (HLHS)

730

of the diagnosis are available in the individual mitral stenosis or mitral regurgitation field definitions. When coding multiple mitral valve lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.

Mitral regurgitation may arise from congenital (at the annular, leaflet or subvalvar level) or acquired causes both surgical (after mitral valve repair or replacement, subaortic stenosis repair, atrioventricular canal repair, cardiac transplantation, or other cardiac surgery) and non-surgical (post rheumatic heart disease, infective endocarditis, ischemia (with chordal rupture or papillary muscle infarct), myxomatomous degeneration including Barlow's syndrome, trauma, or cardiomyopathy). Congenital lesions at the annular level include annular dilatation or deformation (usually deformation is consequent to associated lesions). At the valve leaflet level, mitral regurgitation may be due to a cleft, hypoplasia or agenesis of leaflet(s), excessive leaflet tissue, or a double orifice valve. At the subvalvar level, mitral regurgitation may be secondary to chordae tendineae anomalies (agenesis, rupture, elongation, or shortening as in funnel valve), or to papillary muscle anomalies (hypoplasia or agenesis, shortening, elongation, single-parachute, or multiple-hammock valve). When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.

Mitral valve pathology not otherwise coded in diagnosis definitions 650 through 710.

Hypoplastic left heart syndrome (HLHS) is a spectrum of cardiac malformations characterized by a severe underdevelopment of the left heart-aorta complex, consisting of aortic and/or mitral valve atresia, stenosis, or hypoplasia with marked hypoplasia or absence of the left ventricle, and hypoplasia of the ascending aorta and of the aortic arch with coarctation of the aorta. Hypoplastic left heart complex is a subset of patients at the favorable end of the spectrum of HLHS characterized by hypoplasia of the structures of the left heart-aorta complex, consisting of aortic and mitral valve hypoplasia without valve stenosis or atresia, hypoplasia of the left ventricle, hypoplasia of the left ventricular outflow tract, hypoplasia of the ascending aorta and of the aortic arch, with or without coarctation of the aorta.

Shone's syndrome is a syndrome of multilevel hypoplasia and obstruction of left sided cardiovascular structures including more than one of the following lesions: (1) supravalvar ring of the left atrium, (2) a parachute deformity of the mitral valve, (3) subaortic stenosis, and (4) aortic coarctation. The syndrome is based on the original report from Shone [1] that was based on analysis of 8 autopsied cases and described the tendency of these four obstructive, or potentially obstructive, conditions to coexist. Only 2 of the 8 cases exhibited all four conditions, with the other cases exhibiting only two or three of the anomalies [2]. [1] Shone JD, Sellers RD, Anderson RG, Adams P, Lillehei CW, Edwards JE. The developmental complex of " parachute mitral valve", supravalvar ring of left atrium, subaortic stenosis, and coarctation of the aorta. Am J Cardiol 1963; 11: 714-725. [2]. Tchervenkov CI, Jacobs JP, Weinberg PM, Aiello VD, Beland MJ, Colan SD, Elliott MJ, Franklin RC, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G. The nomenclature, definition and classification of hypoplastic left heart syndrome. Cardiology in the Young, 2006; 16(4): 339-368, August 2006.

Please note that the term "2080 Shone's syndrome" may be the "Fundamental Diagnosis" of a patient; however, the term "2080 Shone's syndrome" may not be the " Primary Diagnosis" of an operation. The term "2080 Shone's syndrome" may be a "Secondary Diagnosis" of an operation.

Cardiomyopathy is a term applied to a wide spectrum of cardiac diseases in which the predominant feature is poor myocardial function in the absence of any anatomic abnormalities. Cardiomyopathies can be dividied into three relatively easily distinguishable entities: (1) dilated, characterized by ventricular dilatation and systolic dysfunction; (2) hypertrophic, characterized by physiologically inappropriate hypertrophy of the left ventricle; and (3) restrictive, characterized by diastolic dysfunction, with a presentation often identical to constrictive pericarditis. Also included in this diagnostic category are patients with a cardiomyopathy or syndrome confined to the right ventricle, for example: (1) arrhythmogenic right ventricular dysplasia; (2) Uhl's syndrome (hypoplasia of right ventricular myocardium, parchment heart); or (3) spongiform cardiomyopathy.

Myocardial abnormality in which there is systolic and/or diastolic dysfunction in the presence of structural congenital heart disease without any (or any further) surgically correctable lesions.

Inflammatory stimulation of the pericardium that results in the accumulation of appreciable amounts of pericardial fluid (also known as effusive pericarditis). The effusion may be idiopathic or acquired (e.g., postoperative, infectious, uremic, neoplastic, traumatic,

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750

740 Cardiomyopathy (including

hypertrophic)

dilated, restrictive, and

Cardiomyopathy, End-stage

congenital heart disease

760 Pericardial effusion

		drug-induced).
770	Pericarditis	Inflammatory process of the pericardium that leads to either (1) effusive pericarditis with accumulation of appreciable amounts of pericardial fluid or (2) constrictive pericarditis that leads to pericardial thickening and compression of the cardiac chambers, ultimately with an associated significant reduction in cardiac function. Etiologies are varied and include idiopathic or acquired (e.g., postoperative, infectious, uremic, neoplastic, traumatic, drug-induced) pericarditis.
780	Pericardial disease, Other	A structural or functional abnormality of the visceral or parietal pericardium that may, or may not, have a significant impact on cardiac function. Included are absence or partial defects of the pericardium.
790	Single ventricle, DILV	Single morphologically left ventricle (smooth internal walls, lack chordal attachments of AV valves to the rudimentary septal surface) that receives both atrioventricular valves.
800	Single ventricle, DIRV	Single morphologically right ventricle (more heavily trabeculated, generally have chordal attachments of AV valve to the septal surfaces) that receives both atrioventricular valves.
810	Single ventricle, Mitral atresia	Single ventricle anomalies with mitral atresia. May also be associated with double outlet right ventricle, congenitally corrected transposition, pulmonary atresia, or pulmonary stenosis.
820	Single ventricle, Tricuspid atresia	Single ventricle anomalies with tricuspid atresia. May also be associated with complete transposition of the great arteries, congenitally corrected transposition of the great arteries, pulmonary atresia, pulmonary stenosis, subaortic stenosis, or ventricular septal defect (small or large).
830	Single ventricle, Unbalanced AV canal	Single ventricle anomalies with a common atrioventricular (AV) valve and only one completely well developed ventricle. If the common AV valve opens predominantly into the morphologic left ventricle, the defect is termed a left ventricular (LV)–type or LV- dominant AV septal defect. If the common AV valve opens predominantly into the morphologic right ventricle, the defect is termed a right ventricular (RV)– type or RV-dominant AV septal defect.
840	Single ventricle, Heterotaxia syndrome	Visceral heterotaxy syndrome is literally defined as a pattern of anatomic organization of the thoracic and abdominal organs that is neither the expected usual or normal arrangement (so-called situs solitus) nor complete situs inversus (the unusual or mirror-image arrangement of normal). If asymmetry of the thoracic and abdominal viscera is the usual or normal situation, visceral heterotaxy syndrome includes patients with an unusual degree of thoracic and abdominal visceral

symmetry. This broad term includes patients with a wide variety of complex cardiac lesions. One way to impose order on this diverse group of cardiac lesions is to stratify them according to the morphology of the atrial appendages. In atrial appendage isomerism, both atrial appendages are similar rather than displaying their usual distinctive morphology. Right or left atrial appendage isomerism exists when both atria have right or left atrial appendage morphologic characteristics, respectively. Right atrial appendage isomerism is frequently associated with bilaterally trilobed lungs (each with short bronchi) and asplenia. Left atrial appendage isomerism frequently is associated with bilaterally bilobed lungs (each with long bronchi) and polysplenia. Many types of anomalies of systemic venous connection are frequently associated with heterotaxy syndrome. Visceral heterotaxy syndrome is literally defined as a pattern of anatomic organization of the thoracic and abdominal organs that is neither the expected usual or normal arrangement (so-called situs solitus) nor complete situs inversus (the unusual or mirror-image arrangement of normal). If asymmetry of the thoracic and abdominal viscera is the usual or normal situation, visceral heterotaxy syndrome includes patients with an unusual degree of thoracic and abdominal visceral symmetry. This broad term includes patients with a wide variety of complex cardiac lesions. One way to impose order on this diverse group of cardiac lesions is to stratify them according to the morphology of the atrial appendages. In atrial appendage isomerism, both atrial appendages are similar rather than displaying their usual distinctive morphology. Right or left atrial appendage isomerism exists when both atria have right or left atrial appendage morphologic characteristics, respectively. Right atrial appendage isomerism is frequently associated with bilaterally trilobed lungs (each with short bronchi) and asplenia. Left atrial appendage isomerism frequently is associated with bilaterally bilobed lungs (each with long bronchi) and polysplenia. Many types of anomalies of systemic venous connection are frequently associated with heterotaxy syndrome.

her If the single ventricle is of primitive or indeterminate type, other is chosen in coding. It is recognized that a considerable variety of other structural cardiac malformations (e.g., biventricular hearts with straddling atrioventricular valves, pulmonary atresia with intact ventricular septum, some complex forms of double outlet right ventricle) may at times be best managed in a fashion similar to that which is used to treat univentricular hearts. They are not to be coded in this section of the nomenclature, but according to the underlying lesions.

850 Single ventricle, Other

851	Single Ventricle + Total	Indicate if the patient has the diagnosis of "Single
	anomalous pulmonary venous	Ventricle + Total anomalous pulmonary venous
	connection (TAPVC)	connection (TAPVC)". In the event of Single Ventricle
		occurring in association with Total anomalous
		pulmonary venous connection (TAPVC), code "Single
		Ventricle + Total anomalous pulmonary venous
		connection (TAPVC)", and then use additional
		(secondary) diagnostic codes to describe the Single
		Ventricle and the Total anomalous pulmonary venous
		connection (TAPVC) separately to provide further
		documentation about the Single Ventricle and Total
		anomalous pulmonary venous connection (TAPVC)
		types. {"Total anomalous pulmonary venous
		connection (TAPVC)" is defined as a heart where all of
		the pulmonary veins connect anomalously with the right
		atrium or to one or more of its venous tributaries. None
		of the pulmonary veins connect normally to the left
		atrium.} {The version of the IPCCC derived from the
		International Congenital Heart Surgery Nomenclature
		and Database Project of the EACTS and STS uses the
		term "single ventricle" as synonymous for the
		"functionally univentricular heart". (The functionally
		univentricular heart is defined as a spectrum of cardiac
		malformations in which entire ventricular mass is
		functionally univentricular; in other words, whenever
		only one ventricle is capable, for whatever reason, of
		supporting either the systemic or the pulmonary
		circulation.) The consensus of the EACTS and STS
		Congenital Heart Surgery Database Committees is that
		the nomenclature proposal for single ventricle hearts
		would encompass hearts with double inlet
		atrioventricular connection (both double inlet left
		ventricle [DILV] and double inlet right ventricle
		[DIRV]), hearts with absence of one atrioventricular
		connection (mitral atresia and tricuspid atresia), hearts
		with a common atrioventricular valve and only one
		completely well-developed ventricle (unbalanced
		common atrioventricular canal defect), hearts with only
		one fully well-developed ventricle and heterotaxia syndrome (single ventricle heterotaxia syndrome), and
		finally other rare forms of univentricular hearts that do
		not fit in one of the specified major categories. In the
		version of the IPCCC derived from the nomenclature of
		the International Congenital Heart Surgery
		Nomenclature and Database Project of the EACTS and
		the STS, patients classified in this section of the
		nomenclature, therefore, include all those who would be
		coded using the Short List for "Single Ventricle",
		specifically: (1) Single ventricle; (2) Single ventricle,
		DILV; (3) Single ventricle, DIRV; (4) Single ventricle,
		Heterotaxia syndrome; (5) Single ventricle, Mitral
		atresia; (6) Single ventricle, Tricuspid atresia; (7)
		Single ventricle, Unbalanced AV canal. (Despite the
		recognition that hypoplastic left heart syndrome is a

common form of functionally univentricular heart, with a single or dominant ventricle of right ventricular morphology, the EACTS-STS version of the IPCCC includes an entirely separate section for consideration of hypoplastic left heart syndrome. Also, it is recognized that a considerable variety of other structural cardiac malformations, such as pulmonary atresia with intact ventricular septum, biventricular hearts with straddling atrioventricular valves, and some complex forms of double outlet right ventricle (DORV), may at times be best managed in a fashion similar to that which is used to treat other functionally univentricular hearts. Nomenclature for description of those entities, however, is not included in this Single Ventricle section of the EACTS-STS version of the IPCCC.) [1] [1]. Jacobs JP, Franklin RCG, Jacobs ML, Colan SD, Tchervenkov CI, Maruszewski B, Gaynor JW, Spray TL, Stellin G, Aiello VD, Béland MJ, Krogmann ON, Kurosawa H, Weinberg PM, Elliott MJ, Mavroudis C, Anderson R. Classification of the Functionally Univentricular Heart: Unity from mapped codes. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges in the Management of the Functionally Univentricular Heart, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16, Supplement 1: 9 – 21, February 2006. 870 Congenitally corrected TGA Indicate if the patient has the diagnosis of "Congenitally corrected TGA". Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006. Congenitally corrected TGA, Indicate if the patient has the diagnosis of "Congenitally IVS corrected TGA, IVS". "Congenitally corrected TGA, IVS" is "Congenitally corrected transposition with an intact ventricular septum", in other words, "

872

874 Congenitally corrected TGA,

**IVS-LVOTO** 

Congenitally corrected transposition with no VSD". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculoarterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP. Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)

Indicate if the patient has the diagnosis of "Congenitally corrected TGA, IVS-LVOTO". "Congenitally corrected TGA, IVS-LVOTO" is "Congenitally corrected transposition with an intact ventricular septum and left ventricular outflow tract obstruction", in other words, " Congenitally corrected transposition with left ventricular outflow tract obstruction and no VSD". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculoarterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)

876 Congenitally corrected TGA, Indicate if the patient has the diagnosis of "Congenitally corrected TGA, VSD". "Congenitally corrected TGA, VSD" is "Congenitally corrected transposition with a

VSD

VSD". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP. Franklin RCG. Wilkinson JL. Cochrane AD. Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)

Indicate if the patient has the diagnosis of "Congenitally corrected TGA, VSD-LVOTO". "Congenitally corrected TGA, VSD-LVOTO" is "Congenitally corrected transposition with a VSD and left ventricular outflow tract obstruction". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)

A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with an intact ventricular septum. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects

878 Congenitally corrected TGA, VSD-LVOTO

880 TGA, IVS

		with situs inversus, L-loop ventricles and either d or l transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
890	TGA, IVS-LVOTO	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with an intact ventricular septum and associated left ventricular obstruction. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or 1 transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
900	TGA, VSD	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with one or more ventricular septal defects. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or l transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
910	TGA, VSD-LVOTO	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with one or more ventricular septal defects and left ventricular outflow tract obstruction. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or 1 transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
930	DORV, VSD type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, VSD type, there is an associated subaortic or doubly-committed VSD and no pulmonary outflow tract obstruction. Subaortic VSD's are located beneath the aortic valve. Doubly-committed VSD's lie beneath the leaflets of the aortic and

	pulmonary valves (juxtaarterial). In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate sngle ventricle listing.
940 DORV, TOF type	<ul> <li>Double outlet right ventricle is a type of</li> <li>ventriculoarterial connection in which both great vessels</li> <li>arise entirely or predominantly from the right ventricle.</li> <li>In double outlet right ventricle, TOF type, there is an</li> <li>associated subaortic or doubly-committed VSD and</li> <li>pulmonary outflow tract obstruction. Subaortic VSD's</li> <li>are located beneath the aortic valve. Doubly-committed</li> <li>VSD's lie beneath the leaflets of the aortic and</li> <li>pulmonary valves (juxtaarterial). DORV can occur in</li> <li>association with pulmonary atresia, keeping in mind in</li> <li>coding that in the nomenclature developed for DORV,</li> <li>there must be usual atrial arrangements and concordant</li> <li>atrioventricular connections, and normal or near-normal</li> <li>sized ventricles (in this situation DORV is coded as a</li> <li>primary diagnosis). Discordant atrioventricular</li> <li>connection with DORV is to be coded under</li> <li>congenitally corrected TGA. DORV associated with</li> <li>univentricular atrioventricular connections,</li> <li>atrioventricular valve atresia, or atrial isomerism is to be</li> <li>coded under the appropriate Single ventricle listing.</li> </ul>
950 DORV, TGA type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, TGA type, there is an associated subpulmonary VSD. Most frequently, there is no pulmonary outflow tract obstruction (Taussig-Bing heart). The aorta is usually to the right and slightly anterior to or side-by-side with the pulmonary artery. Associated aortic outflow tract stenosis (subaortic, aortic arch obstruction) is commonly associated with the Taussig-Bing heart and if present should be coded as a secondary diagnosis. Rarely, there is associated pulmonary outflow tract obstruction. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.

960	DORV, Remote VSD (uncommitted VSD)	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, Remote VSD type, there is a remote or noncommitted VSD. The VSD is far removed from both the aortic and pulmonary valves, usually within the inlet septum. Many of these VSD's are in hearts with DORV and common atrioventricular canal/septal defect. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
2030	DORV + AVSD (AV Canal)	Indicate if the patient has the diagnosis of "DORV + AVSD (AV Canal)". In the event of DORV occurring in association with AVSD (AV Canal), code "DORV + AVSD (AV Canal)", and then use additional (secondary) diagnostic codes to describe the DORV and the AVSD (AV Canal) separately to provide further documentation about the DORV and AVSD (AV Canal) types. {"DORV" is "Double outlet right ventricle" and is defined as a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle.} In this case, the DORV exists in combination with an atrioventricular septal defect and common atrioventricular junction guarded by a common atrioventricular valve.
975	DORV, IVS	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In the rare case of double outlet right ventricle with IVS the ventricular septum is intact. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connections with DORV are to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
980	DOLV	Double outlet left ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the left ventricle. In the nomenclature developed for DOLV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with

		DOLV is to be coded under congenitally corrected TGA. DOLV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
990	Coarctation of aorta	Indicate if the patient has the diagnosis of "Coarctation of aorta". A "Coarctation of the aorta" generally indicates a narrowing of the descending thoracic aorta just distal to the left subclavian artery. However, the term may also be accurately used to refer to a region of narrowing anywhere in the thoracic or abdominal aorta.
1000	Aortic arch hypoplasia	Hypoplasia of the aortic arch is hypoplasia of the proximal or distal transverse arch or the aortic isthmus. The isthmus (arch between the left subclavian and insertion of the patent ductus arteriosus / ligamentum arteriosum) is hypoplastic if its diameter is less than 40% of the diameter of the ascending aorta. The proximal transverse arch (arch between the innominate and left carotid arteries) and distal transverse arch (arch between the left carotid and left subclavian arteries) are hypoplastic if their diameters are less than 60% and 50%, respectively, of the diameter of the ascending aorta.
92	VSD + Aortic arch hypoplasia	A ventricular septal defect, any type, associated with hypoplasia of the aortic arch. (See diagnosis definition 1000 for a definition of hypoplasia of the aortic arch.)
94	VSD + Coarctation of aorta	Indicate if the patient has the diagnosis of "VSD + Coarctation of aorta". In the event of a VSD occurring in association with Coarctation of aorta, code "VSD + Coarctation of aorta", and then use additional (secondary) diagnostic codes to describe the VSD and the Coarctation of aorta separately to provide further documentation about the individual VSD and Coarctation of aorta types. {A "VSD" is a "Ventricular Septal Defect" and is also known as an "Interventricular communication". A VSD is defined as "a hole between the ventricular chambers or their remnants". (The VSD is defined on the basis of its margins as seen from the aspect of the morphologically right ventricle. In the setting of double outlet right ventricle, the defect provides the outflow from the morphologically left ventricle. In univentricular atrioventricular connections with functionally single left ventricle with an outflow chamber, the communication is referred to by some as a bulboventricular foramen.)} {A "Coarctation of the aorta" generally indicates a narrowing of the descending thoracic aorta just distal to the left subclavian artery. However, the term may also be accurately used to refer to a region of narrowing anywhere in the thoracic or abdominal aorta.}
1010	Coronary artery anomaly,	Anomalous aortic origins of the coronary arteries

	Anomalous aortic origin of coronary artery from aorta (AAOCA)	include a spectrum of anatomic variations of the normal coronary artery origins. Coronary artery anomalies of aortic origin to be coded under this diagnostic field include: anomalies of take-off (high take-off), origin (sinus), branching, and number. An anomalous course of the coronary artery vessels is also significant, particularly those coronary arteries that arise or course between the great vessels.
1020	Coronary artery anomaly, Anomalous pulmonary origin (includes ALCAPA)	In patients with anomalous pulmonary origin of the coronary artery, the coronary artery (most commonly the left coronary artery) arises from the pulmonary artery rather than from the aorta. Rarely, the right coronary artery, the circumflex, or both coronary arteries may arise from the pulmonary artery.
1030	Coronary artery anomaly, Fistula	The most common of coronary artery anomalies, a coronary arteriovenous fistula is a communication between a coronary artery and either a chamber of the heart (coronary-cameral fistula) or any segment of the systemic or pulmonary circulation (coronary arteriovenous fistula). They may be congenital or acquired (traumatic, infectious, iatrogenic) in origin, and are mostly commonly seen singly, but occasionally multiple fistulas are present. Nomenclature schemes have been developed that further categorize the fistulas by vessel of origin and chamber of termination, and one angiographic classification scheme by Sakakibara has surgical implications. Coronary artery fistulas can be associated with other congenital heart anomalies such as tetralogy of Fallot, atrial septal defect, ventricular septal defect, and pulmonary atresia with intact ventricular septum, among others. The major cardiac defect should be listed as the primary diagnosis and the coronary artery fistula should be as an additional secondary diagnoses.
1040	Coronary artery anomaly, Aneurysm	Coronary artery aneurysms are defined as dilations of a coronary vessel 1.5 times the adjacent normal coronaries. There are two forms, saccular and fusiform (most common), and both may be single or multiple. These aneurysms may be congenital or acquired (atherosclerotic, Kawasaki, systemic diseases other than Kawasaki, iatrogenic, infectious, or traumatic) in origin.
1050	Coronary artery anomaly, Other	Coronary artery anomalies which may fall within this category include coronary artery bridging and coronary artery stenosis, as well as secondary coronary artery variations seen in congenital heart defects such as tetralogy of Fallot, transposition of the great arteries, and truncus arteriosus (with the exception of variations that can be addressed by a more specific coronary artery anomaly code).
1070	Interrupted aortic arch	Indicate if the patient has the diagnosis of "Interrupted

		aortic arch". Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.
2020	Interrupted aortic arch + VSD	Indicate if the patient has the diagnosis of "Interrupted aortic arch + VSD". In the event of interrupted aortic arch occurring in association with VSD, code " Interrupted aortic arch + VSD", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and the VSD separately to provide further documentation about the individual interrupted aortic arch and VSD types. {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.} {A "VSD" is a "Ventricular Septal Defect" and is also known as an "Interventricular communication". A VSD is defined as "a hole between the ventricular chambers or their remnants". (The VSD is defined on the basis of its margins as seen from the aspect of the morphologically right ventricle. In the setting of double outlet right ventricle, the defect provides the outflow from the morphologically left ventricle. In univentricular atrioventricular connections with functionally single left ventricle with an outflow chamber, the communication is referred to by some as a bulboventricular foramen.)}
2000	Interrupted aortic arch + AP window (aortopulmonary window)	Indicate if the patient has the diagnosis of "Interrupted aortic arch + AP window (aortopulmonary window)". In the event of interrupted aortic arch occurring in association with AP window, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and the AP window separately to provide further documentation about the individual interrupted aortic arch and AP window types. {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is

a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to

the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries. } {An "AP window (aortopulmonary window)" is defined as a defect with side-to-side continuity of the lumens of the aorta and pulmonary arterial tree, which is distinguished from common arterial trunk (truncus arteriosus) by the presence of two arterial valves or their atretic remnants. (In other words, an aortopulmonary window is a communication between the main pulmonary artery and ascending aorta in the presence of two separate semilunar [pulmonary and aortic] valves. The presence of two separate semilunar valves distinguishes AP window from truncus arteriosus. Type 1 proximal defect: AP window located just above the sinus of Valsalva, a few millimeters above the semilunar valves, with a superior rim but little inferior rim separating the AP window from the semilunar valves. Type 2 distal defect: AP window located in the uppermost portion of the ascending aorta, with a well-formed inferior rim but little superior rim. Type 3 total defect: AP window involving the majority of the ascending aorta, with little superior and inferior rims. The intermediate type of AP window is similar to the total defect but with adequate superior and inferior rims. In the event of AP window occurring in association with interrupted aortic arch, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and AP window separately to provide further documentation about the individual interrupted arch and AP window types.)}

Indicate if the patient has the diagnosis of "Patent ductus arteriosus". The ductus arteriosus (arterial duct) is an essential feature of fetal circulation, connecting the main pulmonary trunk with the descending aorta, distal to the origin of the left subclavian artery. In most patients it is on the left side. If a right aortic arch is present, it may be on the right or the left; very rarely it is bilateral. When luminal patency of the duct persists post-natally, it is referred to as patent ductus arteriosus (patent arterial duct). The length and diameter may vary considerably from case to case. The media of the ductus consists mainly of smooth muscle that is arranged spirally, and the intima is much thicker than that of the aorta. (A patent ductus arteriosus is a vascular arterial connection between the thoracic aorta and the pulmonary artery. Most commonly a PDA has its origin from the descending thoracic aorta, just distal and opposite the origin of the left subclavian artery. The insertion of the ductus is most commonly into the very proximal left pulmonary artery at its junction with

1080 Patent ductus arteriosus

		the main pulmonary artery. Origination and insertion sites can be variable, however.)
1090	Vascular ring	The term vascular ring refers to a group of congenital vascular anomalies that encircle and comperss the esophagus and trachea. The compression may be from a complete anatomic ring (double aortic arch or right aortic arch with a left ligamentum) or from a compressive effect of an aberrant vessel (innominate artery compression syndrome).
1100	Pulmonary artery sling	In pulmonary artery sling, the left pulmonary artery originates from the right pulmonary artery and courses posteriorly between the trachea and esophagus in its route to the left lung hilum, causing a sling-like compression of the trachea.
1110	Aortic aneurysm (including pseudoaneurysm)	An aneurysm of the aorta is defined as a localized dilation or enlargement of the aorta at any site along its length (from aortic annulus to aortoiliac bifurcation). A true aortic aneurysm involves all layers of the aortic wall. A false aortic aneurysm (pseudoaneurysm) is defined as a dilated segment of the aorta not containing all layers of the aortic wall and may include postoperative or post-procedure false aneurysms at anastomotic sites, traumatic aortic injuries or transections, and infectious processes leading to a contained rupture.
1120	Aortic dissection	Aortic dissection is a separation of the layers of the aortic wall. Extension of the plane of the dissection may progress to free rupture into the pericardium, mediastinum, or pleural space if not contained by the outer layers of the media and adventitia. Dissections may be classified as acute or chronic (if they have been present for more than 14 days)
1130	Lung disease, Benign	Lung disease arising from any etiology (congenital or acquired) which does not result in death or lung or heart- lung transplant; examples might be non-life threatening asthma or emphysema, benign cysts.
1140	Lung disease, Malignant	Lung disease arising from any etiology (congenital or acquired, including pulmonary parenchymal disease, pulmonary vascular disease, congenital heart disease, neoplastm, etc.) which may result in death or lung or heart-lung transplant.
1150	Pectus	Pectus excavatum is a chest wall deformity in which the sternum is depressed. Pectus carinatum is a protrusion of the sternum.
1160	Tracheal stenosis	Tracheal stenosis is a reduction in the anatomic luminal diameter of the trachea by more than 50% of the remaining trachea. This stenosis may be congenital or acquired (as in post-intubation or traumatic tracheal stenosis).

		pathology not included under the definition of tracheal stenosis such as tracheomalacia, bronchotracheomalacia, tracheal right upper lobe, bronchomalacia, subglottic stenosis, bronchial stenosis, etc.
1430	Pleural disease, Benign	Benign diseases of the mediastinal or visceral pleura.
1440	Pleural disease, Malignant	Malignant diseases of the mediastinal or visceral pleura.
1450	Pneumothorax	A collection of air or gas in the pleural space.
1460	Pleural effusion	Abnormal accumulation of fluid in the pleural space.
1470	Chylothorax	The presence of lymphatic fluid in the pleural space secondary to a leak from the thoracic duct or its branches. Chylothorax is a specific type of pleural effusion.
1480	Empyema	A collection of purulent material in the pleural space, usually secondary to an infection.
1490	Esophageal disease, Benign	Any benign disease of the esophagus.
1500	Esophageal disease, Malignant	Any malignant disease of the esophagus.
1505	Mediastinal disease	Any disease of the mediastinum awaiting final benign/malignant pathology determination.
1510	Mediastinal disease, Benign	Any benign disease of the mediastinum.
1520	Mediastinal disease, Malignant	Any malignant disease of the mediastinum.
1540	Diaphragm paralysis	Paralysis of diaphragm, unilateral or bilateral.
1550	Diaphragm disease, Other	Any disease of the diaphragm other than paralysis.
1180	Arrhythmia	Any cardiac rhythm other than normal sinus rhythm.
2040	Arrhythmia, Atrial	Indicate if the patient has the diagnosis of "Arrhythmia, Atrial". "Arrhythmia, Atrial" ROOT Definition = Non-sinus atrial rhythm with or without atrioventricular conduction. [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 373.
2050	Arrhythmia, Junctional	Indicate if the patient has the diagnosis of "Arrhythmia, Junctional". "Arrhythmias arising from the atrioventricular junction; may be bradycardia, tachycardia, premature beats, or escape rhythm [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 –

		530, December 9, 2008, page 379.
2060	Arrhythmia, Ventricular	Indicate if the patient has the diagnosis of "Arrhythmia, Ventricular". "Arrhythmia, Ventricular" ROOT Definition = Abnormal rhythm originating from the ventricles [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 393.
1185	Arrhythmia, Heart block	Atrioventricular block may be congenital or acquired, and may be of varying degree (first, second, or third degree).
1190	Arrhythmia, Heart block, Acquired	Atrioventricular block, when acquired, may be post- surgical, or secondary to myocarditis or other etiologies; the block may be first, second or third degree.
1200	Arrhythmia, Heart block, Congenital	Atrioventricular block, when congenital, may be first, second or third degree block.
1220	Arrhythmia, Pacemaker, Indication for replacement	Indications for pacemaker replacement may include end of generator life, malfunction, or infection.
1230	Atrial Isomerism, Left	In isomerism, both appendages are of like morphology or structure; in left atrial isomerism both the right atrium and left atrium appear to be a left atrium structurally.
1240	Atrial Isomerism, Right	In isomerism, both appendages are of like morphology or structure; in right atrial isomerism both the right atrium and left atrium appear to be a right atrium structurally.
2090	Dextrocardia	Indicate if the patient has the diagnosis of "Dextrocardia ". "Dextrocardia" is most usually considered synonymous with a right-sided ventricular mass, whilst ' 'dextroversion" is frequently defined as a configuration where the ventricular apex points to the right. In a patient with the usual atrial arrangement, or situs solitus, dextroversion, therefore, implies a turning to the right of the heart [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2100	Levocardia	Indicate if the patient has the diagnosis of "Levocardia"

		. "Levocardia" usually considered synonymous with a left-sided ventricular mass, whilst "levoversion" is frequently defined as a configuration where the ventricular apex points to the left [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2110	Mesocardia	Indicate if the patient has the diagnosis of "Mesocardia' . "Mesocardia" is most usually considered synonymous with the ventricular mass occupying the midline [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2120	Situs inversus	Indicate if the patient has the diagnosis of "Situs inversus" of the atrial chambers. The development of morphologically right-sided structures on one side of the body, and morphologically left-sided structures on the other side, is termed lateralization. Normal lateralization, the usual arrangement, is also known as " situs solitus". The mirror-imaged arrangement is also known as "situs inversus". The term "visceroatrial situs" is often used to refer to the situs of the viscera and atria when their situs is in agreement. The arrangement of the organs themselves, and the arrangement of the atrial chambers, is not always the same. Should such disharmony be encountered, the sidedness of the organs and atrial chambers must be separately specified [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the

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		Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
1250	Aneurysm, Ventricular, Right (including pseudoaneurysm)	An aneurysm of the right ventricle is defined as a localized dilation or enlargement of the right ventricular wall.
1260	Aneurysm, Ventricular, Left (including pseudoaneurysm)	An aneurysm of the left ventricle is defined as a localized dilation or enlargement of the left ventricular wall.
1270	Aneurysm, Pulmonary artery	An aneurysm of the pulmonary artery is defined as a localized dilation or enlargement of the pulmonary artery trunk and its central branches (right and left pulmonary artery).
1280	Aneurysm, Other	A localized dilation or enlargement of a cardiac vessel or chamber not coded in specific fields available for aortic aneurysm, sinus of Valsalva aneurysm, coronary artery aneurysm, right ventricular aneurysm, left ventricular aneurysm, or pulmonary artery aneurysm.
1290	Hypoplastic RV	Small size of the right ventricle. This morphological abnormality usually is an integral part of other congenital cardiac anomalies and, therefore, frequently does not need to be coded separately. It should, however, be coded as secondary to an accompanying congenital cardiac anomaly if the right ventricular hypoplasia is not considered an integral and understood part of the primary congenital cardiac diagnosis. It would rarely be coded as a primary and/or isolated diagnosis.
1300	Hypoplastic LV	Small size of the left ventricle. This morphological abnormality usually is an integral part of other congenital cardiac anomalies and, therefore, frequently does not need to be coded separately. It should, however, be coded as secondary to an accompanying congenital cardiac anomaly if the left ventricular hypoplasia is not considered an integral and understood part of the primary congenital cardiac diagnosis. It would rarely be coded as a primary and/or isolated diagnosis.
2070	Postoperative bleeding	Indicate if the patient has the diagnosis of " Postoperative bleeding".
1310	Mediastinitis	Inflammation/infection of the mediastinum, the cavity between the lungs which holds the heart, great vessels, trachea, esophagus, thymus, and connective tissues. In the United States mediastinits occurs most commonly following chest surgery.
1320	Endocarditis	An infection of the endocardial surface of the heart, which may involve one or more heart valves (native or

		prosthetic) or septal defects or prosthetic patch material placed at previous surgery.
1325	Rheumatic heart disease	Heart disease, usually valvular (e.g., mitral or aortic), following an infection with group A streptococci
1330	Prosthetic valve failure	Indicate if the patient has the diagnosis of "Prosthetic valve failure". This diagnosis is the primary diagnosis to be entered for patients undergoing replacement of a previously placed valve (not conduit) prosthesis, whatever type (e.g., bioprosthetic, mechanical, etc.). Failure may be due to, among others, patient somatic growth, malfunction of the prosthesis, or calcification or overgrowth of the prosthesis (e.g., pannus formation). Secondary or fundamental diagnosis would relate to the underlying valve disease entity. As an example, a patient undergoing removal or replacement of a prosthetic pulmonary valve previously placed for pulmonary insufficiency after repair of tetralogy of Fallot would have as a primary diagnosis "Prosthetic valve failure", as a secondary diagnosis "Pulmonary insufficiency", and as a fundamental diagnosis " Tetralogy of Fallot".
1340	Myocardial infarction	A myocardial infarction is the development of myocardial necrosis caused by a critical imbalance between the oxygen supply and demand of the myocardium. While a myocardial infarction may be caused by any process that causes this imbalance it most commonly results from plaque rupture with thrombus formation in a coronary vessel, resulting in an acute reduction of blood supply to a portion of the myocardium. Myocardial infarction is a usual accompaniment of anomalous left coronary artery from the pulmonary artery (ALCAPA).
1350	Cardiac tumor	An abnormal growth of tissue in or on the heart, demonstrating partial or complete lack of structural organization, and no functional coordination with normal cardiac tissue. Commonly, a mass is recognized which is distinct from the normal structural components of the heart. A primary cardiac tumor is one that arises directly from tissues of the heart, (e.g., myxoma, fibroelastoma, rhabdomyoma, fibroma, lipoma, pheochromocytoma, teratoma, hemangioma, mesothesioloma, sarcoma). A secondary cardiac tumor is one that arises from tissues distant from the heart, with subsequent spread to the otherwise normal tissues of the heart, (e.g., renal cell tumor with caval extension from the kidney to the level of the heart or tumor with extension from other organs or areas of the body (hepatic, adrenal, uterine, infradiaphragmatic)). N.B., in the nomenclature system developed, cardiac thrombus and cardiac vegetation are categorized as primary cardiac tumors.
1360	Pulmonary AV fistula	An abnormal intrapulmonary connection (fistula)

		between an artery and vein that occurs in the blood vessels of the lungs. Pulmonary AV fistulas may be seen in association with congenital heart defects; the associated cardiac defect should be coded as well.
1370	Pulmonary embolism	A pulmonary embolus is a blockage of an artery in the lungs by fat, air, clumped tumor cells, or a blood clot.
1385	Pulmonary vascular obstructive disease	Pulmonary vascular obstructive disease (PVOD) other than those specifically defined elsewhere (Eisenmenger's pulmonary vascular obstructive disease, primary pulmonary hypertension, persistent fetal circulation). The spectrum includes PVOD arising from (1) pulmonary arterial hypertension or (2) pulmonary venous hypertension or (3) portal hypertension, or (4) collage vascular disease, or (5) drug or toxin induced, or (6) diseases of the respiratory system, or (7) chronic thromboembolic disease, among others.
1390	Pulmonary vascular obstructive disease (Eisenmenger's)	<ul> <li>"Eisenmenger syndrome" could briefly be described as</li> <li>"Acquired severe pulmonary vascular disease associated with congenital heart disease (Eisenmenger)".</li> <li>Eisenmenger syndrome is an acquired condition. In</li> <li>Eisenmenger-type pulmonary vascular obstructive</li> <li>disease, long-term left-to-right shunting (e.g., through a ventricular or atrial septal defect, patent ductus</li> <li>arteriosus, aortopulmonary window) can lead to chronic pulmonary hypertension with resultant pathological changes in the pulmonary vessels. The vessels become thick-walled, stiff, noncompliant, and may be</li> <li>obstructed. In Eisenmenger syndrome, the long-term left-to-right shunting will reverse and become right to left. Please note that the specific heart defect should be coded as a secondary diagnosis.</li> </ul>
1400	Primary pulmonary hypertension	Primary pulmonary hypertension is a rare disease characterized by elevated pulmonary artery hypertension with no apparent cause. Two forms are included in the nomenclature, a sporadic form and a familial form which can be linked to the BMPR-II gene.
1410	Persistent fetal circulation	Persistence of the blood flow pattern seen in fetal life, in which high pulmonary vascular resistance in the lungs results in decreased blood flow to the lungs. Normally, after birth pulmonary pressure falls with a fall in pulmonary vascular resistance and there is increased perfusion of the lungs. Persistent fetal circulation, also known as persistent pulmonary hypertension of the newborn, can be related to lung or diaphragm malformations or lung immaturity.
1420	Meconium aspiration	Aspiration of amniotic fluid stained with meconium before, during, or after birth can lead to pulmonary sequelae including (1) pneumothorax, (2) pneumomediastinum, (3) pneumopericardium, (4) lung infection, and (5) meconium aspiration syndrome (MAS) with persistent pulmonary hypertension.

## STS Adult Cardiac Database

1560	Cardiac, Other	Any cardiac diagnosis not specifically delineated in other diagnostic codes.
1570	Thoracic and/or mediastinal, Other	Any thoracic and/or mediastinal disease not specifically delineated in other diagnostic codes.
1580	Peripheral vascular, Other	Any peripheral vascular disease (congenital or acquired) or injury (from trauma or iatrogenic); vessels involved may include, but are not limited to femoral artery, femorial vein, iliac artery, brachial artery, etc.
7000	Normal heart	Normal heart.
7777	Miscellaneous, Other	Any disease (congenital or acquired) not specifically delineated in other diagnostic codes.
4010	Status post - PFO, Primary closure	Status post - Suture closure of patent foramen ovale (PFO).
4020	Status post - ASD repair, Primary closure	Status post - Suture closure of secundum (most frequently), coronary sinus, sinus venosus or common atrium ASD.
4030	Status post - ASD repair, Patch	Status post - Patch closure (using any type of patch material) of secundum, coronary sinus, or sinus venosus ASD.
4040	Status post - ASD repair, Device	Status post - Closure of any type ASD (including PFO) using a device.
6110	Status post - ASD repair, Patch + PAPVC repair	
4050	Status post - ASD, Common atrium (single atrium), Septation	Status post - Septation of common (single) atrium using any type patch material.
4060	Status post - ASD creation/enlargement	Status post - Creation of an atrial septal defect or enlargement of an existing atrial septal defect using a variety of modalities including balloon septostomy, blade septostomy, or surgical septectomy. Creation may be accomplished with or without use of cardiopulmonary bypass.
4070	Status post - ASD partial closure	Status post - Intentional partial closure of any type ASD (partial suture or fenestrated patch closure).
4080	Status post - Atrial septal fenestration	Status post - Creation of a fenestration (window) in the septum between the atrial chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the atrial septum.
4085	Status post - Atrial fenestration closure	Status post - Closure of previously created atrial fenestration using any method including device, primary suture, or patch.
4100	Status post - VSD repair, Primary closure	Status post - Suture closure of any type VSD.
4110	Status post - VSD repair, Patch	Status post - Patch closure (using any type of patch material) of any type VSD.
4120	Status post - VSD repair,	Status post - Closure of any type VSD using a device.

	Device	
4130	Status post - VSD, Multiple, Repair	Status post - Closure of more than one VSD using any method or combination of methods. Further information regarding each type of VSD closed and method of closure can be provided by additionally listing specifics for each VSD closed. In the case of multiple VSDs in which only one is closed the procedure should be coded as closure of a single VSD. The fundamental diagnosis, in this case, would be " VSD, Multiple" and a secondary diagnosis can be the morphological type of VSD that was closed at the time of surgery.
4140	Status post - VSD creation/enlargement	Status post - Creation of a ventricular septal defect or enlargement of an existing ventricular septal defect.
4150	Status post - Ventricular septal fenestration	Status post - Creation of a fenestration (window) in the septum between the ventricular chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the ventricular septum.
4170	Status post - AVC (AVSD) repair, Complete (CAVSD)	Status post - Repair of complete AV canal (AVSD) using one- or two-patch or other technique, with or without mitral valve cleft repair.
4180	Status post - AVC (AVSD) repair, Intermediate (Transitional)	Status post - Repair of intermediate AV canal (AVSD) using ASD and VSD patch, or ASD patch and VSD suture, or other technique, with or without mitral valve cleft repair.
4190	Status post - AVC (AVSD) repair, Partial (Incomplete) (PAVSD)	Status post - Repair of partial AV canal defect (primum ASD), any technique, with or without repair of cleft mitral valve.
6300	Status post - Valvuloplasty, Common atrioventricular valve	
6250	Status post - Valvuloplasty converted to valve replacement in the same operation, Common atrioventricular valve	
6230	Status post - Valve replacement, Common atrioventricular valve	
4210	Status post - AP window repair	Status post - Repair of AP window using one- or two- patch technique with cardiopulmonary bypass; or, without cardiopulmonary bypass, using transcatheter device or surgical closure.
4220	Status post - Pulmonary artery origin from ascending aorta (hemitruncus) repair	Status post - Repair of pulmonary artery origin from the ascending aorta by direct reimplantation, autogenous flap, or conduit, with or without use of cardiopulmonary bypass.
4230	Status post - Truncus	Status post - Truncus arteriosus repair that most

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	arteriosus repair	frequently includes patch VSD closure and placement of a conduit from RV to PA. In some cases, a conduit is not placed but an RV to PA connection is made by direct association. Very rarely, there is no VSD to be closed. Truncal valve repair or replacement should be coded separately (Valvuloplasty, Truncal valve; Valve replacement, Truncal valve), as would be the case as well with associated arch anomalies requiring repair (e.g., Interrupted aortic arch repair).
4240	Status post - Valvuloplasty, Truncal valve	Status post - Truncal valve repair, any type.
6290	Status post - Valvuloplasty converted to valve replacement in the same operation, Truncal valve	
4250	Status post - Valve replacement, Truncal valve	Status post - Replacement of the truncal valve with a prosthetic valve.
6220	Status post - Truncus + Interrupted aortic arch repair (IAA) repair	
4260	Status post - PAPVC repair	Status post - PAPVC repair revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed.
4270	Status post - PAPVC, Scimitar, Repair	Status post - In scimitar syndrome, PAPVC repair also revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed. Occasionally an ASD is created; this procedure also must be listed separately. Concomitant thoracic procedures (e.g., lobectomy, pneumonectomy) should also be included in the procedures listing.
6120	Status post - PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage)	
4280	Status post - TAPVC repair	Status post - Repair of TAPVC, any type. Issues surrounding TAPVC repair involve how the main pulmonary venous confluence anastomosis is fashioned, whether an associated ASD is closed or left open or enlarged (ASD closure and enlargement may be listed separately), and whether, particularly in mixed type TAPVC repair, an additional anomalous pulmonary vein is repaired surgically.

6200	Status post - TAPVC repair + Shunt - systemic-to- pulmonary	
4290	Status post - Cor triatriatum repair	Status post - Repair of cor triatriatum. Surgical decision making revolves around the approach to the membrane creating the cor triatriatum defect, how any associated ASD is closed, and how any associated anomalous pulmonary vein connection is addressed. Both ASD closure and anomalous pulmonary venous connection may be listed as separate procedures.
4300	Status post - Pulmonary venous stenosis repair	Status post - Repair of pulmonary venous stenosis, whether congenital or acquired. Repair can be accomplished with a variety of approaches: sutureless, patch venoplasty, stent placement, etc.
4310	Status post - Atrial baffle procedure (non-Mustard, non- Senning)	Status post - The atrial baffle procedure code is used primarily for repair of systemic venous anomalies, as in redirection of left superior vena cava drainage to the right atrium.
4330	Status post - Anomalous systemic venous connection repair	Status post - With the exception of atrial baffle procedures (harvest code 310), anomalous systemic venous connection repair includes a range of surgical approaches, including, among others: ligation of anomalous vessels, reimplantation of anomalous vessels (with or without use of a conduit), or redirection of anomalous systemic venous flow through directly to the pulmonary circulation (bidirectional Glenn to redirect LSVC or RSVC to left or right pulmonary artery, respectively).
4340	Status post - Systemic venous stenosis repair	Status post - Stenosis or obstruction of a systemic vein (most commonly SVC or IVC) may be relieved with patch or conduit placement, excision of the stenotic area with primary reanastomosis or direct reimplantation.
4350	Status post - TOF repair, No ventriculotomy	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), without use of an incision in the infundibulum of the right ventricle for exposure. In most cases this would be a transatrial and transpulmonary artery approach to repair the VSD and relieve the pulmonary stenosis. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
4360	Status post - TOF repair, Ventriculotomy, Nontransanular patch	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision, but without placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the

		ventricle itself may be minimal.
4370	Status post - TOF repair, Ventriculotomy, Transanular patch	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision and placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
4380	Status post - TOF repair, RV- PA conduit	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with placement of a right ventricle-to-pulmonary artery conduit. In this procedure the major components of pulmonary stenosis are relieved with placement of the RV-PA conduit.
4390	Status post - TOF - AVC (AVSD) repair	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with repair of associated AV canal defect. Repair of associated atrial septal defect or atrioventricular valve repair(s) should be listed as additional or secondary procedures under the primary TOF-AVC procedure.
4400	Status post - TOF - Absent pulmonary valve repair	Status post - Repair of tetralogy of Fallot with absent pulmonary valve complex. In most cases this repair will involve pulmonary valve replacement (pulmonary or aortic homograft, porcine, other) and reduction pulmonary artery arterioplasty.
4420	Status post - Pulmonary atresia - VSD (including TOF, PA) repair	Status post - For patients with pulmonary atresia with ventricular septal defect without MAPCAs, including those with tetralogy of Fallot with pulmonary atresia, repair may entail either a tetralogy-like repair with transannular patch placement, a VSD closure with placement of an RV-PA conduit, or an intraventricular tunnel VSD closure with transannular patch or RV-PA conduit placement. To assure an accurate count of repairs of pulmonary atresia-VSD without MAPCAs, even if a tetralogy-type repair or Rastelli-type repair is used, the pulmonary atresia-VSD code should be the code used, not Rastelli procedure or tetralogy of Fallot repair with transannular patch.
4430	Status post - Pulmonary atresia - VSD - MAPCA (pseudotruncus) repair	Status post - In the presence of MAPCAs, this code implies implies pulmonary unifocalization (multi- or single-stage), repair of VSD (may be intraventricular tunnel or flat patch VSD closure), and placement of an RV-PA conduit.
4440	Status post - Unifocalization MAPCA(s)	Status post - Anastomosis of aortopulmonary collateral arteries into the left, right, or main pulmonary artery or into a tube graft or other type of confluence. The unifocalization procedure may be done on or off bypass.

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4450	Status post - Occlusion MAPCA(s)	Status post - Occlusion, or closing off, of MAPCAs. This may be done with a transcatheter occluding device, usually a coil, or by surgical techniques.
4460	Status post - Valvuloplasty, Tricuspid	Status post - Reconstruction of the tricuspid valve may include but not be limited to a wide range of techniques including: leaflet patch extension, artificial chordae placement, papillary muscle transplocation with or without detachment. Annuloplasty techniques that may be done solely or in combination with leaflet, chordae or muscle repair to achieve a competent valve include: eccentric annuloplasty, Kay annular plication, purse- string annuloplasty (including semicircular annuloplasty), sliding annuloplasty, and annuloplasty with ring placement. Do not use this code if tricuspid valve malfunction is secondary to Ebstein's anomaly; instead use the Ebstein's repair procedure code.
6280	Status post - Valvuloplasty converted to valve replacement in the same operation, Tricuspid	
4465	Status post - Ebstein's repair	Status post - To assure an accurate count of repairs of Ebstein's anomaly of the tricuspid valve, this procedure code was included. Repair of Ebstein's anomaly may include, among other techniques, repositioning of the tricuspid valve, plication of the atrialized right ventricle, or right reduction atrioplasty. Often associated ASD's may be closed and arrhythmias addressed with surgical ablation procedures. These procedures should be entered as separate procedure codes.
4470	Status post - Valve replacement, Tricuspid (TVR)	Status post - Replacement of the tricuspid valve with a prosthetic valve.
4480	Status post - Valve closure, Tricuspid (exclusion, univentricular approach)	Status post - In a functional single ventricle heart, the tricuspid valve may be closed using a patch, thereby excluding the RV. Tricuspid valve closure may be used for infants with Ebstein's anomaly and severe tricuspid regurgitation or in patients with pulmonary atresia-intact ventricular septum with sinusoids.
4490	Status post - Valve excision, Tricuspid (without replacement)	Status post - Excision of the tricuspid valve without placement of a valve prosthesis.
4500	Status post - Valve surgery, Other, Tricuspid	Status post - Other tricuspid valve surgery not specified in procedure codes.
4510	Status post - RVOT procedure	Status post - Included in this procedural code would be all RVOT procedures not elsewhere specified in the nomenclature system. These might be, among others: resection of subvalvar pulmonary stenosis (not DCRV type; may be localized fibrous diaphragm or high infundibular stenosis), right ventricular patch augmentation, or reduction pulmonary artery arterioplasty.

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4520	Status post - 1 1/2 ventricular repair	Status post - Partial biventricular repair; includes intracardiac repair with bidirectional cavopulmonary anastomosis to volume unload a small ventricle or poorly functioning ventricle.
4530	Status post - PA, reconstruction (plasty), Main (trunk)	Status post - Reconstruction of the main pulmonary artery trunk commonly using patch material. If balloon angioplasty is performed or a stent is placed in the main pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If MPA reconstruction is performed with PA debanding, both codes should be listed.
4540	Status post - PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation)	Status post - Reconstruction of the right or left branch (or both right and left) pulmonary arteries (within the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If, rarely, branch PA banding (single or bilateral) was performed in the past and reconstruction is performed associated with debanding, both codes should be listed.
4550	Status post - PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation)	Status post - Reconstruction of the peripheral right or left branch (or both right and left) pulmonary arteries (at or beyond the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) peripheral pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code.
4570	Status post - DCRV repair	Status post - Surgical repair of DCRV combines relief of the low infundibular stenosis (via muscle resection) and closure of a VSD when present. A ventriculotomy may be required and is repaired by patch enlargement of the infundibulum. VSD closure and patch enlargement of the infundibulum, if done, should be listed as separate procedure codes.
4590	Status post - Valvuloplasty, Pulmonic	Status post - Valvuloplasty of the pulmonic valve may include a range of techniques including but not limited to: valvotomy with or without bypass, commissurotomy, and valvuloplasty.
6270	Status post - Valvuloplasty converted to valve replacement in the same operation, Pulmonic	
4600	Status post - Valve replacement, Pulmonic (PVR)	Status post - Replacement of the pulmonic valve with a prosthetic valve. Care must be taken to differentiate between homograft pulmonic valve replacement and placement of a homograft RV-PA conduit.
4630	Status post - Valve excision, Pulmonary (without	Status post - Excision of the pulmonary valve without placement of a valve prosthesis.

	replacement)	
4640	Status post - Valve closure, Semilunar	Status post - Closure of a semilunar valve (pulmonic or aortic) by any technique.
4650	Status post - Valve surgery, Other, Pulmonic	Status post - Other pulmonic valve surgery not specified in procedure codes.
4610	Status post - Conduit placement, RV to PA	Status post - Placement of a conduit, any type, from RV to PA.
4620	Status post - Conduit placement, LV to PA	Status post - Placement of a conduit, any type, from LV to PA.
5774	Status post - Conduit placement, Ventricle to aorta	Status post - Placement of a conduit from the right or left ventricle to the aorta.
5772	Status post - Conduit placement, Other	Status post - Placement of a conduit from any chamber or vessel to any vessel, valved or valveless, not listed elsewhere.
4580	Status post - Conduit reoperation	Status post - Conduit reoperation is the code to be used in the event of conduit failure, in whatever position (LV to aorta, LV to PA, RA to RV, RV to aorta, RV to PA, etc.), and from whatever cause (somatic growth, stenosis, insufficiency, infection, etc).
4660	Status post - Valvuloplasty, Aortic	Status post - Valvuloplasty of the aortic valve for stenosis and/or insufficiency including, but not limited to the following techniques: valvotomy (open or closed), commissurotomy, aortic valve suspension, leaflet (left, right or noncoronary) partial resection, reduction, or leaflet shaving, extended valvuloplasty (freeing of leaflets, commissurotomy, and extension of leaflets using autologous or bovine pericardium), or annuloplasty (partial - interrupted or noncircumferential sutures, or complete - circumferential sutures).
6240	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic	
6310	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure	
6320	Status post - Valvuloplasty converted to valve replacement in the same	

4670 Status post - Valve replacement, Aortic (AVR)

Konno procedure

operation, Aortic - with Ross-

Status post - Replacement of the aortic valve with a prosthetic valve (mechanical, bioprosthetic, or homograft). Use this code only if type of valve prosthesis is unknown or does not fit into the specific valve replacement codes available. Autograft valve replacement should be coded as a Ross procedure.

4680	Status post - Valve replacement, Aortic (AVR), Mechanical	Status post - Replacement of the aortic valve with a mechanical prosthetic valve.
4690	Status post - Valve replacement, Aortic (AVR), Bioprosthetic	Status post - Replacement of the aortic valve with a bioprosthetic prosthetic valve.
4700	Status post - Valve replacement, Aortic (AVR), Homograft	Status post - Replacement of the aortic valve with a homograft prosthetic valve.
4715	Status post - Aortic root replacement, Bioprosthetic	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a bioprosthesis (e.g., porcine) in a conduit, often composite.
4720	Status post - Aortic root replacement, Mechanical	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a mechnical prosthesis in a composite conduit.
4730	Status post - Aortic root replacement, Homograft	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a homograft.
4735	Status post - Aortic root replacement, Valve sparing	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) without replacing the aortic valve (using a tube graft).
4740	Status post - Ross procedure	Status post - Replacement of the aortic valve with a pulmonary autograft and replacement of the pulmonary valve with a homograft conduit.
4750	Status post - Konno procedure	Status post - Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty. Components of the surgery include a longitudinal incision in the aortic septum, a vertical incision in the outflow tract of the right ventricle to join the septal incision, aortic valve replacement, and patch reconstruction of the outflow tracts of both ventricles.
4760	Status post - Ross-Konno procedure	Status post - Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty using a pulmonary autograft root for the aortic root replacement.
4770	Status post - Other annular enlargement procedure	Status post - Techniques included under this procedure code include those designed to effect aortic annular enlargement that are not included in other procedure codes. These include the Manougian and Nicks aortic annular enlargement procedures.
4780	Status post - Aortic stenosis, Subvalvar, Repair	Status post - Subvalvar aortic stenosis repair by a range of techniques including excision, excision and myotomy, excision and myomectomy, myotomy,

myomectomy, initial placement of apical-aortic conduit (LV to aorta conduit replacement would be coded as conduit reoperation), Vouhé aortoventriculoplasty (aortic annular incision at commissure of left and right coronary cusps is carried down to the septum and RV infundibulum; septal muscle is resected, incisions are closed, and the aortic annulus is reconstituted), or other aortoventriculoplasty techniques.

- 6100 Status post Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS
- 4790 Status post Aortic stenosis, Supravalvar, Repair

- 4800 Status post Valve surgery, Other, Aortic
- 4810 Status post Sinus of Valsalva, Aneurysm repair

- 4820 Status post LV to aorta tunnel repair
- 4830 Status post Valvuloplasty, Mitral
- 6260 Status post Valvuloplasty converted to valve

Status post - Repair of supravalvar aortic stenosis involving all techniques of patch aortoplasty and aortoplasty involving the use of all autologous tissue. In simple patch aortoplasty a diamond-shaped patch may be used, in the Doty technique an extended patch is placed (Y-shaped patch, incision carried into two sinuses), and in the Brom repair the ascending aorta is transected, any fibrous ridge is resected, and the three sinuses are patched separately.

Status post - Other aortic valve surgery not specified in other procedure codes.

Status post - Sinus of Valsalva aneurysm repair can be organized by site of aneurysm (left, right or noncoronary sinus), type of repair (suture, patch graft, or root repair by tube graft or valved conduit), and approach used (from chamber of origin (aorta) or from chamber of penetration (LV, RV, PA, left or right atrium, etc.). Aortic root replacement procedures in association with sinus of Valsalva aneurysm repairs are usually for associated uncorrectable aortic insufficiency or multiple sinus involvement and the aortic root replacement procedure should also be listed. Additional procedures also performed at the time of sinus of Valsalva aneurysm repair include but are not limited to VSD closure, repair or replacement of aortic valve, and coronary reconstruction; these procedures should also be coded separately from the sinus of Valsalva aneurysm repair.

Status post - LV to aorta tunnel repair can be accomplished by suture, patch, or both, and may require reimplantation of the right coronary artery. Associated coronary artery procedures should be coded separately from the LV to aorta tunnel repair.

Status post - Repair of mitral valve including, but not limited to: valvotomy (closed or open heart), cleft repair, annuloplasty with or without ring, chordal reconstruction, commissuorotomy, leaflet repair, or papillary muscle repair.

	replacement in the same operation, Mitral	
4840	Status post - Mitral stenosis, Supravalvar mitral ring repair	Status post - Supravalvar mitral ring repair.
4850	Status post - Valve replacement, Mitral (MVR)	Status post - Replacement of mitral valve with prosthetic valve, any kind, in suprannular or annular position.
4860	Status post - Valve surgery, Other, Mitral	Status post - Other mitral valve surgery not specified in procedure codes.
4870	Status post - Norwood procedure	<ul> <li>Status post - The Norwood operation is synonymous with the term 'Norwood (Stage 1)' and is defined as an aortopulmonary connection and neoaortic arch construction resulting in univentricular physiology and pulmonary blood flow controlled with a calibrated systemic-to-pulmonary artery shunt, or a right ventricle to pulmonary artery conduit, or rarely, a cavopulmonary connection.</li> <li>When coding the procedure "Norwood procedure", the primary procedure of the operation should be "Norwood procedure". The second procedure (Procedure 2 after the Norwood procedure) must then document the source of pulmonary blood flow and be chosen from the following eight choices: <ol> <li>Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)</li> <li>Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)</li> <li>Shunt, Systemic to pulmonary anastomosis (BDCPA) (bidirectional Glenn)</li> <li>Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)</li> <li>HemiFontan</li> </ol> </li> </ul>
4880	Status post - HLHS biventricular repair	Status post - Performed in patients who have small but adequately sized ventricles to support systemic circulation. These patients usually have small, but not stenotic, aortic and/or mitral valves. Primary biventricular repair has consisted of extensive aortic arch and ascending aorta enlargement with a patch, closure of interventricular and interatrial communications, and conservative approach for left ventricular outflow tract obstruction (which may include mitral stenosis at any level, subaortic stenosis, aortic stenosis, aortic arch hypoplasia, coarctation, or interrupted aortic arch). Concurrent operations (e.g., coarctation repair, aortic valve repair or replacement, etc.) can be coded separately within the database.
6160	Status post - Hybrid	Status post - A "Hybrid Procedure" is defined as a

	Approach "Stage 1", Application of RPA & LPA bands	procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
6170	Status post - Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA)	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
6180	Status post - Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
6140	Status post - Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.
6150	Status post - Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a

Debanding + Without aortic

group of procedures that fit into the general silo of

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	arch repair	procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.
1590	Status post - Transplant, Heart	Status post - Heart transplantation, any technique, allograft or xenograft.
1610	Status post - Transplant, Heart and lung	Status post - Heart and lung (single or double) transplantation.
4910	Status post - Partial left ventriculectomy (LV volume reduction surgery) (Batista)	Status post - Wedge resection of LV muscle, with suturing of cut edges together, to reduce LV volume.
4920	Status post - Pericardial drainage procedure	Status post - Pericardial drainage can include a range of therapies including, but not limited to: pericardiocentesis, pericardiostomy tube placement, pericardial window creation, and open pericardial drainage (pericardiotomy).
4930	Status post - Pericardiectomy	Status post - Surgical removal of the pericardium.
4940	Status post - Pericardial procedure, Other	Status post - Other pericardial procedures that include, but are not limited to: pericardial reconstruction for congenital absence of the pericardium, pericardial biopsy, pericardial mass or cyst excision.
4950	Status post - Fontan, Atrio- pulmonary connection	Status post - Fontan-type procedure with atrio- pulmonary connection.
4960	Status post - Fontan, Atrio- ventricular connection	Status post - Fontan-type procedure with atrio- ventricular connection, either direct or with RA-RV conduit, valved or nonvalved.
4970	Status post - Fontan, TCPC, Lateral tunnel, Fenestrated	Status post - Total cavopulmonary connection using an intraatrial lateral tunnel construction, with fenestration.
4980	Status post - Fontan, TCPC, Lateral tunnel, Nonfenestrated	Status post - Total cavopulmonary connection using an intraatrial lateral tunnel construction, with no fenestration.
5000	Status post - Fontan, TCPC, External conduit, Fenestrated	Status post - Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with fenestration.
5010	Status post - Fontan, TCPC, External conduit, Nonfenestrated	Status post - Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with no fenestration.
5025	Status post - Fontan revision or conversion (Re-do Fontan)	Status post - Revision of a previous Fontan procedure to a total cavopulmonary connection.

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5030	Status post - Fontan, Other	Status post - Other Fontan procedure not specified in procedure codes. May include takedown of a Fontan procedure.
6340	Status post - Fontan + Atrioventricular valvuloplasty	
5035	Status post - Ventricular septation	Status post - Creation of a prosthetic ventricular septum. Surgical procedure used to septate univentricular hearts with two atrioventricular valves. Additional procedures, such as resection of subpulmonic stenosis, should be listed separately.
5050	Status post - Congenitally corrected TGA repair, Atrial switch and ASO (double switch)	Status post - Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and arterial switch operation. VSD closure is usually performed as well; this should be coded separately.
5060	Status post - Congenitally corrected TGA repair, Atrial switch and Rastelli	Status post - Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and VSD closure to the aortic valve with placement of an RV-to-PA conduit.
5070	Status post - Congenitally corrected TGA repair, VSD closure	Status post - Repair of congenitally corrected TGA by VSD closure only.
5080	Status post - Congenitally corrected TGA repair, VSD closure and LV to PA conduit	Status post - Repair of congenitally corrected TGA by VSD closure and placement of an LV-to-PA conduit.
5090	Status post - Congenitally corrected TGA repair, Other	Status post - Any procedures for correction of CCTGA not otherwised specified in other listed procedure codes.
5110	Status post - Arterial switch operation (ASO)	Status post - Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished.
5120	Status post - Arterial switch operation (ASO) and VSD repair	Status post - Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished. The VSD is closed, usually with a patch.
5123	Status post - Arterial switch procedure + Aortic arch repair	Status post - Concomitant arterial switch operation and repair of the aortic arch in patients with transposition of the great arteries with intact ventricular septum and associated coarctation of the aorta or interrupted aortic arch.
5125	Status post - Arterial switch procedure and VSD repair + Aortic arch repair	Status post - Concomitant arterial switch operation with VSD closure and repair of aortic arch in patients with transposition of the great arteries with VSD and associated coarctation of the aorta or interrupted aortic arch.

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5130	Status post - Senning	Status post - Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while the pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Senning procedure uses atrial wall to construct the baffle.
5140	Status post - Mustard	Status post - Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Mustard procedure uses patch material to construct the baffle.
5145	Status post - Atrial baffle procedure, Mustard or Senning revision	Status post - Revision of a previous atrial baffle procedure (either Mustard or Senning), for any reason (e.g., obstruction, baffle leak).
5150	Status post - Rastelli	Status post - Most often used for patients with TGA- VSD and significant LVOTO, the Rastelli operation consists of an LV-to-aorta intraventricular baffle closure of the VSD and placement of an RV-to-PA conduit.
5160	Status post - REV	Status post - The Lecompte (REV) intraventricular repair is designed for patients with abnormalities of ventriculoarterial connection in whom a standard intraventricular tunnel repair cannot be performed. It is also suitable for patients in whom an arterial switch procedure with tunneling of the VSD to the pulmonary artery cannot be performed because of pulmonary (left ventricular outflow tract) stenosis. A right ventriculotomy incision is made. The infundibular (conal) septum, located between the two semilunar valves, is aggressively resected if its presence interferes with the construction of a tunnel from the VSD to the aorta. The VSD is then tunneled to the aorta. The decision to perform or not to perform the Lecompte maneuver should be made at the beginning of the operation. If the Lecompte maneuver is not performed the pulmonary artery is translocated to the right ventricular outflow tract on the side of the aorta that provides the shortest route. (When the decision to perform the Lecompte maneuver has been made, the great vessels are transected and this maneuver is performed at the beginning of the operation.) The pulmonary artery orifice is then closed. The aorta, if it had been transected during the performance of the Lecompte maneuver, is then reconstructed. A vertical incision is made on the anterior aspect of the main pulmonary artery. The posterior margin of the pulmonary artery is sutured to the superior aspect of the vertical right ventriculotomy incision. A generous

patch of autologous pericardium is used to close the inferior portion of the right ventriculotomy and the anterior portion of the pulmonary artery. A monocusp pericardial valve is inserted extemporaneously.

- 6190 Status post Aortic root translocation over left ventricle (Including Nikaidoh procedure)
- 6210 Status post TGA, Other procedures (Kawashima, LV-PA conduit, other)
- 5180 Status post DORV, Intraventricular tunnel repair
- 5200 Status post DOLV repair

- 5210 Status post Coarctation repair, End to end
- 5220 Status post Coarctation repair, End to end, Extended
- 5230 Status post Coarctation repair, Subclavian flap
- 5240 Status post Coarctation repair, Patch aortoplasty
- 5250 Status post Coarctation repair, Interposition graft
- 5260 Status post Coarctation repair, Other
- 5275 Status post Coarctation repair + VSD repair

Status post - Repair of DORV using a tunnel closure of the VSD to the aortic valve. This also includes the posterior straight tunnel repair of Kawashima

Status post - Because of the morphologic variability of DOLV, there are many approaches to repair, including: intraventricular tunnel repair directing the VSD to the pulmonary valve, the REV procedure, or the Rastelli procedure. In the case of DOLV use this code for tunnel closure to the pulmonary valve. If the REV or Rastelli procedures are performed then use those respective codes.

Status post - Repair of coarctation of aorta by excision of the coarctation segment and end-to-end circumferential anastomosis of the aorta.

Status post - Repair of coarctation of the aorta by excision of the coarctation segment and end-to-end anastomosis of the oblique ends of the aorta, creating an extended anastomosis.

Status post - Repair of coarctation of the aorta by ligating, dividing, and opening the subclavian artery, incising the coarctation site, and folding down the subclavian artery onto the incision in the aorta, suturing the subclavian "flap" in place, creating a roof over the area of the previous coarctation.

Status post - Repair of coarctation of the aorta by incising the coarctation site with placement of a patch sutured in place longitudinally along the aortotomy edge.

Status post - Repair of coarctation of the aorta by resection of the coarctation segment and placement of a prosthetic tubular interposition graft anastomosed circumferentially to the cut ends of the aorta.

Status post - Any repair of coarctation not specified in procedure codes. This may include, for example, a combination of two approaches for coarctation repair or extra-anatomic bypass graft, etc.

Status post - Coarctation of aorta repair, any technique, and simultaneous VSD repair, any type VSD, any type repair.

5280	Status post - Aortic arch repair	Status post - Aortic arch repair, any technique.
5285	Status post - Aortic arch repair + VSD repair	Status post - Aortic arch repair, any technique, and simultaneous VSD repair, any type VSD, any type repair. This includes repair of IAA with VSD.
5290	Status post - Coronary artery fistula ligation	Status post - Coronary artery fistula repair using any technique. If additional technique information may be supplied by another procedure code, please list separately (e.g., bypass graft).
5291	Status post - Anomalous origin of coronary artery from pulmonary artery repair	Status post - Repair of anomalous origin of the coronary artery (any) from the pulmonary artery, by any technique (ligation, translocation with aortic implantation, Takeuchi operation, bypass graft). If additional technique information may be supplied by another procedure code, please list separately (for example, bypass graft).
5300	Status post - Coronary artery bypass	Status post - Coronary artery bypass graft procedure, any technique (with or without CPB, venous or arterial graft, one or more grafts, etc.), for any coronary artery pathology (coronary arterial fistula, aneurysm, coronary bridging, atresia of left main, acquired coronary artery disease, etc.).
5305	Status post - Anomalous aortic origin of coronary artery from aorta (AAOCA) repair	
5310	Status post - Coronary artery procedure, Other	Status post - Any coronary artery procedure not specifically listed.
5310 5320		
	procedure, Other Status post - Interrupted aortic	specifically listed. Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft,
5320	procedure, Other Status post - Interrupted aortic arch repair Status post - PDA closure,	<ul> <li>specifically listed.</li> <li>Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.</li> <li>Status post - Closure of a PDA by any surgical technique (ligation, division, clip) using any approach</li> </ul>
5320 5330	procedure, Other Status post - Interrupted aortic arch repair Status post - PDA closure, Surgical Status post - PDA closure,	<ul> <li>specifically listed.</li> <li>Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.</li> <li>Status post - Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).</li> <li>Status post - Closure of a PDA by device using</li> </ul>
5320 5330 5340	procedure, Other Status post - Interrupted aortic arch repair Status post - PDA closure, Surgical Status post - PDA closure, Device Status post - Vascular ring	<ul> <li>specifically listed.</li> <li>Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.</li> <li>Status post - Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).</li> <li>Status post - Closure of a PDA by device using transcatheter techniques.</li> <li>Status post - Repair of vascular ring (any type, except</li> </ul>
5320 5330 5340 5360	procedure, Other Status post - Interrupted aortic arch repair Status post - PDA closure, Surgical Status post - PDA closure, Device Status post - Vascular ring repair	<ul> <li>specifically listed.</li> <li>Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.</li> <li>Status post - Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).</li> <li>Status post - Closure of a PDA by device using transcatheter techniques.</li> <li>Status post - Repair of vascular ring (any type, except pulmonary artery sling) by any technique.</li> <li>Status post - Surgical fixation of the aorta to another structure (usually the posterior aspect of the sternum) to relieve compression on another vessel or structure (e.g.,</li> </ul>
5320 5330 5340 5360 5365	procedure, Other Status post - Interrupted aortic arch repair Status post - PDA closure, Surgical Status post - PDA closure, Device Status post - Vascular ring repair Status post - Aortopexy Status post - Pulmonary artery	<ul> <li>specifically listed.</li> <li>Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.</li> <li>Status post - Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).</li> <li>Status post - Closure of a PDA by device using transcatheter techniques.</li> <li>Status post - Repair of vascular ring (any type, except pulmonary artery sling) by any technique.</li> <li>Status post - Surgical fixation of the aorta to another structure (usually the posterior aspect of the sternum) to relieve compression on another vessel or structure (e.g., trachea).</li> <li>Status post - Pulmonary artery sling repair by any</li> </ul>

## STS Adult Cardiac Database

5400	Status post - Lung biopsy	Status post - Lung biopsy, any technique.
1600	Status post - Transplant, Lung(s)	Status post - Lung or lobe transplantation of any type.
5420	Status post - Lung procedure, Other	Status post - Included in this procedure code would be any lung procedure other than transplant, such as, but not limited to: pneumonectomy (left or right), lobectomy (any lobe), bilobectomy (two lobes), segmental lung resection (any segment), or wedge resection.
5430	Status post - Pectus repair	Status post - Repair of pectus excavatum or carinatum by any technique.
5440	Status post - Tracheal procedure	Status post - Any tracheal procedure, including but not limited to relief of tracheal stenosis (any means including pericardial graft, autograft insertion, homograft insertion, resection with reanastomosis, rib cartilage insertion, or slide tracheoplasty). Tracheal stent placement or balloon dilation should be coded separately.
5450	Status post - Pacemaker implantation, Permanent	Status post - Implantation of a permanent pacemaker of any type (e.g., single-chamber, dual-chamber, atrial antitachycardia), with any lead configuration or type (atrial, ventricular, atrial and ventricular, transvenous, epicardial, transmural), by any technique (sternotomy, thoracotomy etc).
5460	Status post - Pacemaker procedure	Status post - Any revision to a previously placed pacemaker system including revisions to leads, generators, pacemaker pockets. This may include explantation of pacemakers or leads as well.
6350	Status post - Explantation of pacing system	
5470	Status post - ICD (AICD) implantation	Status post - Implantation of an (automatic) implantable cardioverter defibrillator system.
5480	Status post - ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure	Status post - Any revision to a previously placed AICD including revisions to leads, pads, generators, pockets. This may include explantation procedures as well.
5490	Status post - Arrhythmia surgery - atrial, Surgical Ablation	Status post - Surgical ablation (any type) of any atrial arrhythmia.
5500	Status post - Arrhythmia surgery - ventricular, Surgical Ablation	Status post - Surgical ablation (any type) of any ventricular arrhythmia.
6500	Status post - Cardiovascular catheterization procedure, Diagnostic	
6520	Status post - Cardiovascular catheterization procedure, Diagnostic, Angiographic	

data obtained

- 6550 Status post Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration
- 6540 Status post Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration
- 6510 Status post Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained
- 6530 Status post Cardiovascular catheterization procedure, Diagnostic, Transluminal test occlusion
- 6410 Status post Cardiovascular catheterization procedure, Therapeutic
- 6670 Status post Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy
- 6570 Status post Cardiovascular catheterization procedure, Therapeutic, Balloon dilation
- 6590 Status post Cardiovascular catheterization procedure, Therapeutic, Balloon valvotomy
- 6600 Status post Cardiovascular catheterization procedure, Therapeutic, Coil implantation
- 6610 Status post Cardiovascular catheterization procedure, Therapeutic, Device implantation
- 6640 Status post Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication)
- 6580 Status post Cardiovascular catheterization procedure, Therapeutic, Septostomy
- 6620 Status post Cardiovascular

catheterization procedure, Therapeutic, Stent insertion

- 6630 Status post Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation
- 6650 Status post Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion
- 6660 Status post Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve
- 6680 Status post Cardiovascular electrophysiological catheterization procedure
- 6690 Status post Cardiovascular electrophysiological catheterization procedure, Therapeutic ablation
- 5590 Status post Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)
- 5600 Status post Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)
- 5610 Status post Shunt, Systemic to pulmonary, Other
- 5630 Status post Shunt, Ligation and takedown
- 6095 Status post Shunt, Reoperation
- 5640 Status post PA banding (PAB)
- 5650 Status post PA debanding

5660 Status post - Damus-Kaye-Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction)

5670 Status post - Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Status post - Placement of a tube graft from a branch of the aortic arch to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

Status post - A direct anastomosis or placement of a tube graft from the aorta to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

Status post - Placement of any other systemic-topulmonary artery shunt, with or without bypass, from any approach (thoracotomy, sternotomy) that is not otherwise coded. Includes classic Blalock-Taussig systemic-to-pulmonary artery shunt.

Status post - Takedown of any shunt.

Status post - Placement of a pulmonary artery band, any type.

Status post - Debanding of pulmonary artery. Please list separately any pulmonary artery reconstruction required.

Status post - In the Damus-Kaye-Stansel procedure the proximal transected main pulmonary artery is connected by varying techniques to the aorta.

Status post - Superior vena cava to pulmonary artery anastomosis allowing flow to both pulmonary arteries with an end-to-side superior vena-to-pulmonary artery

	Glenn)	anastomosis.
5680	Status post - Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)	Status post - Superior vena cava to ipsilateral pulmonary artery anastomosis (i.e., LSVC to LPA, RSVC to RPA).
5690	Status post - Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)	Status post - Bilateral superior vena cava-to-pulmonary artery anastomoses (requires bilateral SVCs).
5700	Status post - HemiFontan	Status post - A HemiFontan is an operation that includes a bidirectional superior vena cava (SVC)-to-pulmonary artery anastomosis and the connection of this "SVC- pulmonary artery amalgamation" to the atrium, with a " dam" between this "SVC-pulmonary artery amalgamation" and the atrium. This operation can be accomplished with a variety of operative strategies including the following two techniques and other techniques that combine elements of both of these approaches: (1) Augmenting both branch pulmonary arteries with a patch and suturing the augmented branch pulmonary arteries to an incision in the medial aspect of the superior vena cava. (With this approach, the pulmonary artery patch forms a roof over the SVC-to- pulmonary artery anastomosis and also forms a "dam" between the SVC-pulmonary artery amalgamation and the right atrium.) (2) Anastomosing both ends of the divided SVC to incisions in the top and bottom of the right pulmonary artery, and using a separate patch to close junction of the SVC and the right atrium.
6330	Status post - Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty	
6130	Status post - Superior Cavopulmonary anastomosis(es) + PA reconstruction	
5710	Status post - Palliation, Other	Status post - Any other palliative procedure not specifically listed.
6360	Status post - ECMO cannulation	
6370	Status post - ECMO decannulation	
5910	Status post - ECMO procedure	Status post - Any ECMO procedure (cannulation, decannulation, etc.).
5900	Status post - Intraaortic balloon pump (IABP) insertion	Status post - Insertion of intraaortic balloon pump by any technique.

- 5920 Status post Right/left heart assist device procedure
- 6390 Status post VAD explantation
- 6380 Status post VAD implantation
- 6420 Status post -Echocardiography procedure, Sedated transesophageal echocardiogram
- 6430 Status post -Echocardiography procedure, Sedated transthoracic echocardiogram
- 6435 Status post Noncardiovascular, Non-thoracic procedure on cardiac patient with cardiac anesthesia
- 6440 Status post Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan)
- 6450 Status post Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI)
- 6460 Status post Radiology procedure on cardiac patient, Diagnostic radiology
- 6470 Status post Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient
- 6480 Status post Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient
- 6490 Status post Interventional radiology procedure on cardiac patient
- 5720 Status post Aneurysm, Ventricular, Right, Repair
- 5730 Status post Aneurysm, Ventricular, Left, Repair
- 5740 Status post Aneurysm, Pulmonary artery, Repair

Status post - Any right, left, or biventricular assist device procedure (placement, removal etc.).

Status post - Repair of right ventricular aneurysm, any technique.

Status post - Repair of left ventricular aneurysm, any technique.

Status post - Repair of pulmonary artery aneurysm, any technique.

5760	Status post - Cardiac tumor	Status post - Resection of cardiac tumor, any type.
5700	resection	Status post - Resection of cardiac tunior, any type.
5780	Status post - Pulmonary AV fistula repair/occlusion	Status post - Repair or occlusion of a pulmonary arteriovenous fistula.
5790	Status post - Ligation, Pulmonary artery	Status post - Ligation or division of the pulmonary artery. Most often performed as a secondary procedure.
5802	Status post - Pulmonary embolectomy, Acute pulmonary embolus	Status post - Acute pulmonary embolism (clot) removal, through catheter or surgery.
5804	Status post - Pulmonary embolectomy, Chronic pulmonary embolus	Status post - Chronic pulmonary embolism (clot) removal, through catheter or surgery.
5810	Status post - Pleural drainage procedure	Status post - Pleural drainage procedure via thoracocentesis, tube thoracostomy, or open surgical drainage.
5820	Status post - Pleural procedure, Other	Status post - Other pleural procedures not specifically listed; may include pleurodesis (mechanical, talc, antibiotic or other), among others.
5830	Status post - Ligation, Thoracic duct	Status post - Ligation of the thoracic duct; most commonly for persistent chylothorax.
5840	Status post - Decortication	Status post - Decortication of the lung by any technique.
5850	Status post - Esophageal procedure	Status post - Any procedure performed on the esophagus.
5860	Status post - Mediastinal procedure	Status post - Any non-cardiovascular mediastinal procedure not otherwise listed.
5870	Status post - Bronchoscopy	Status post - Bronchoscopy, rigid or flexible, for diagnostic, biopsy, or treatment purposes (laser, stent, dilation, lavage).
5880	Status post - Diaphragm plication	Status post - Plication of the diaphragm; most often for diaphragm paralysis due to phrenic nerve injury.
5890	Status post - Diaphragm procedure, Other	Status post - Any diaphragm procedure not specifically listed.
5930	Status post - VATS (video- assisted thoracoscopic surgery)	Status post - Video-assisted thoracoscopic surgery utilized; this code should be used in addition to the specific procedure code (e.g., if PDA ligated using VATS technique, PDA ligation should be primary procedure, VATS should be secondary procedure).
5940	Status post - Minimally invasive procedure	Status post - Any procedure using minimally invasive technique; this code should be used in addition to the specific procedure code (e.g., if ASD closed using minimally invasive technique, ASD repair should be primary procedure, minimally invasive procedure should be listed additionally).
5950	Status post - Bypass for noncardiac lesion	Status post - Use of cardiopulmonary bypass for noncardiac lesion; this code may be used in addition to the specific procedure code if one is available (e.g., tracheal procedures may be done using CPB - the

		tracheal procedure should be the primary procedure and use of cardiopulmonary bypass for noncardiac lesion should be listed additionally).
5960	Status post - Delayed sternal closure	Status post - Sternal closure effected after patient has left operating room with sternum open, either because of swelling or electively after complex heart procedures. This procedure should be operative type No CPB Cardiovascular.
5970	Status post - Mediastinal exploration	Status post - Mediastinal exploration, most often for postoperative control of bleeding or tamponade, but may be exploration to assess mediastinal mass, etc.
5980	Status post - Sternotomy wound drainage	Status post - Drainage of the sternotomy wound.
5990	Status post - Thoracotomy, Other	Status post - Any procedure performed through a thoracotomy incision not otherwise listed.
6000	Status post - Cardiotomy, Other	Status post - Any procedure involving an incision in the heart that is not otherwise listed.
6010	Status post - Cardiac procedure, Other	Status post - Any cardiac procedure, bypass or non- bypass, that is not otherwise listed.
6020	Status post - Thoracic and/or mediastinal procedure, Other	Status post - Any thoracic and/or mediastinal procedure not otherwise listed.
6030	Status post - Peripheral vascular procedure, Other	Status post - Any peripheral vascular procedure; may include procedures such as femoral artery repair, iliac artery repair, etc.
6040	Status post - Miscellaneous procedure, Other	Status post - Any miscellaneous procedure not otherwise listed.
6050	Status post - Organ procurement	Status post - Procurement of an organ for transplant (most likely, heart, lungs, or heart and lungs).
11777	Status post - Other procedure	Status post - Any procedure on any organ system not otherwise listed.

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Long Name: Other Card-Congenital Diagnosis 3	<i>SeqNo:</i> 5330
Short Name: OCarCongDiag3	Core: Yes
Section Name: Other Cardiac Procedures	Harvest: Yes
DBTableName AdultData	
Definition: Indicate the third of the three most signi	ficant congenital diagnoses.
LowValue: UsualRangeLow:	ACCField: Not mapped
HighValue: UsualRangeHigh:	ReportField: NQFField:
	ModelField: PQRIField:
Parent Long Name: Other Card-Congenital	Format: Text (categorical values specified by STS)
ParentShortName: OCarCong	DataLength:
<i>ParentValue:</i> = "Yes"	Data Source: User
Harvest Codes and Value Definitions:	
Code: Value:	Definition:
10 PFO	Small interatrial communication in the region of the foramen ovale characterized by no deficiency of the septum primum and a normal limbus with no deficiency of the septum secundum.
20 ASD, Secundum	An ASD confined to the region of the fossa ovalis; its most common etiology is a deficiency of the septum primum, but deficieny of the limbus or septum secundum may also contribute.
30 ASD, Sinus venosus	Indicate if the patient has the diagnosis of "ASD, Sinus venosus". An "ASD, Sinus venosus" is defined as a defect with a vena cava or pulmonary vein (or veins) that overrides the atrial septum or the superior interatrial fold (septum secundum) producing an interatrial or anomalous venoatrial communication. Although the term sinus venosus atrial septal defect is commonly used, the lesion is more properly termed a sinus venosus communication because, while it functions as an interatrial communication, this lesion is not a defect of the true atrial septum.
40 ASD, Coronary sinus	Deficiency of the wall (sinus septum) separating the left atrium from the coronary sinus, often allowing blood to shunt from the left atrium to the right atrium via the coronary sinus ostium. May or may not be associated with a persistent left superior vena cava.
50 ASD, Common atrium (single atrium)	e Complete absence of the interatrial septum. "Single atrium" is applied to defects with no associated malformation of the atrioventricular valves. "Common atrium" is applied to defects with associated malformation of the atrioventricular valves.
71 VSD, Type 1 (Subarterial) (Supracristal) (Conal septal	A VSD that lies beneath the semilunar valve(s) in the conal or outlet septum.

## defect) (Infundibular)

- 73 VSD, Type 2 (Perimembranous) (Paramembranous) (Conoventricular)
- 75 VSD, Type 3 (Inlet) (AV canal type)
- 77 VSD, Type 4 (Muscular)
- 79 VSD, Type: Gerbode type (LV-RA communication)
- 80 VSD, Multiple
- 100 AVC (AVSD), Complete (CAVSD)

A VSD that is confluent with and involves the membranous septum and is bordered by an atrioventricular valve, not including type 3 VSDs.

A VSD that involves the inlet of the right ventricular septum immediately inferior to the AV valve apparatus.

A VSD completely surrounded by muscle.

A rare form of VSD in which the defect is at the membranous septum; the communication is between the left ventricle and right atrium.

More than one VSD exists. Each individual VSD may be coded separately to specify the individual VSD types.

Indicate if the patient has the diagnosis of "AVC (AVSD), Complete (CAVSD)". An "AVC (AVSD), Complete (CAVSD)" is a "complete atrioventricular canal" or a "complete atrioventricular septal defect" and occurs in a heart with the phenotypic feature of a common atrioventricular junction. An "AVC (AVSD), Complete (CAVSD)" is defined as an AVC with a common AV valve and both a defect in the atrial septum just above the AV valve (ostium primum ASD [a usually crescent-shaped ASD in the inferior (posterior) portion of the atrial septum just above the AV valve]) and a defect in the ventricular septum just below the AV valve. The AV valve is one valve that bridges both the right and left sides of the heart. Balanced AVC is an AVC with two essentially appropriately sized ventricles. Unbalanced AVC is an AVC defect with two ventricles in which one ventricle is inappropriately small. Such a patient may be thought to be a candidate for biventricular repair, or, alternatively, may be managed as having a functionally univentricular heart. AVC lesions with unbalanced ventricles so severe as to preclude biventricular repair should be classified as single ventricles. Rastelli type A: The common superior (anterior) bridging leaflet is effectively split in two at the septum. The left superior (anterior) leaflet is entirely over the left ventricle and the right superior (anterior) leaflet is similarly entirely over the right ventricle. The division of the common superior (anterior) bridging leaflet into left and right components is caused by extensive attachment of the superior (anterior) bridging leaflet to the crest of the ventricular septum by chordae tendineae. Rastelli type B: Rare, involves anomalous papillary muscle attachment from the right side of the ventricular septum to the left side of the common superior (anterior) bridging leaflet. Rastelli type C: Marked bridging of the ventricular septum by the superior (anterior) bridging leaflet, which floats freely (often termed a "free-floater") over the

		ventricular septum without chordal attachment to the crest of the ventricular septum.
110	AVC (AVSD), Intermediate (transitional)	An AVC with two distinct left and right AV valve orifices but also with both an ASD just above and a VSD just below the AV valves. While these AV valves in the intermediate form do form two separate orifices they remain abnormal valves. The VSD is often restrictive.
120	AVC (AVSD), Partial (incomplete) (PAVSD) (ASD, primum)	An AVC with an ostium primum ASD (a usually crescent-shaped ASD in the inferior (posterior) portion of the atrial septum just above the AV valve) and varying degrees of malformation of the left AV valve leading to varying degrees of left AV valve regurgitation. No VSD is present.
140	AP window (aortopulmonary window)	Indicate if the patient has the diagnosis of "AP window (aortopulmonary window)". An "AP window (aortopulmonary window)" is defined as a defect with side-to-side continuity of the lumens of the aorta and pulmonary arterial tree, which is distinguished from common arterial trunk (truncus arteriosus) by the presence of two arterial valves or their atretic remnants. (In other words, an aortopulmonary window is a communication between the main pulmonary artery and ascending aorta in the presence of two separate semilunar [pulmonary and aortic] valves. The presence of two separate semilunar valves distinguishes AP window from truncus arteriosus. Type 1 proximal defect: AP window located just above the sinus of Valsalva, a few millimeters above the semilunar valves, with a superior rim but little inferior rim separating the AP window from the semilunar valves. Type 2 distal defect: AP window located in the uppermost portion of the ascending aorta, with a well-formed inferior rim but little superior rim. Type 3 total defect: AP window involving the majority of the ascending aorta, with little superior and inferior rims. The intermediate type of AP window is similar to the total defect but with adequate superior and inferior rims. In the event of AP window occurring in association with interrupted aortic arch, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and AP window separately to provide further documentation about the individual interrupted arch and AP window types.)
150	Pulmonary artery origin from ascending aorta (hemitruncus)	One pulmonary artery arises from the ascending aorta and the other pulmonary artery arises from the right ventricle. DOES NOT include origin of the right or left pulmonary artery from the innominate artery or the aortic arch via a patent ductus arteriosus or collateral artery.
160	Truncus arteriosus	Indicate if the patient has the diagnosis of "Truncus

2010

170 Truncal valve insufficiency

Truncus arteriosus + Interrupted aortic arch arteriosus". A truncus arteriosus is also known as a common arterial trunk and is defined as a heart in which a single arterial trunk arises from the heart, giving origin to the coronary arteries, the pulmonary arteries, and the systemic arterial circulation. In the majority of instances there is a ventricular septal defect and a single semilunar valve which may contain two, three, four, or more leaflets and is occasionally dysplastic. Often, the infundibular septum is virtually absent superiorly. In most instances the truncal valve overrides the true interventricular septum (and thus both ventricles), but very rarely the truncal valve may override the right ventricle entirely. In such instances, there may be no ventricular septal defect or a very small ventricular septal defect, in which case the left ventricle and mitral valve may be extremely hypoplastic.

Functional abnormality - insufficiency - of the truncal valve. May be further subdivided into grade of insufficiency (I, II, III, IV or mild, moderate, severe).

Indicate if the patient has the diagnosis of "Truncus arteriosus + Interrupted aortic arch". {A truncus arteriosus is also known as a common arterial trunk and is defined as a heart in which a single arterial trunk arises from the heart, giving origin to the coronary arteries, the pulmonary arteries, and the systemic arterial circulation. In the majority of instances there is a ventricular septal defect and a single semilunar valve which may contain two, three, four, or more leaflets and is occasionally dysplastic. The infundibular septum is virtually absent superiorly. In most instances the truncal valve overrides the true interventricular septum (and thus both ventricles), but very rarely the truncal valve may override the right ventricle entirely. If in such case there is no ventricular septal defect, then the left ventricle and mitral valve may be extremely hypoplastic.} {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.}

180 Partial anomalous pulmonary venous connection (PAPVC)
180 Partial anomalous pulmonary venous connection (PAPVC)
180 Some, but not all of the pulmonary veins connect to the right atrium or to one or more of its venous tributaries. This definition excludes sinus venosus defects with normally connected but abnormally draining pulmonary veins (the pulmonary veins may drain abnormally into the right atrium via the atrial septal defect).
190 Partial anomalous pulmonary
190 Partial anomalous pulmonary

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	venous connection (PAPVC), scimitar	inferior vena cava or to the right atrium at the insertion of the inferior vena cava. The descending vertical vein resembles a scimitar (Turkish sword) on frontal chest x- ray. Frequently associated with: hypoplasia of the right lung with bronchial anomalies; dextroposition and/or dextrorotation of the heart; hypoplasia of the right pulmonary artery; and anomalous subdiaphragmatic systemic arterial supply to the lower lobe of the right lung directly from the aorta or its main branches.
200	Total anomalous pulmonary venous connection (TAPVC), Type 1 (supracardiac)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 1 (supracardiac) TAPVC, the anomalous connection is at the supracardiac level and can be obstructed or nonobstructed.
210	Total anomalous pulmonary venous connection (TAPVC), Type 2 (cardiac)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 2 (cardiac) TAPVC, the anomalous connection is to the heart, either to the right atrium directly or to the coronary sinus. Most patients with type 2 TAPVC are nonobstructed.
220	Total anomalous pulmonary venous connection (TAPVC), Type 3 (infracardiac)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 3 (infracardiac) TAPVC, the anomalous connection is at the infracardiac level (below the diaphragm), with the pulmonary venous return entering the right atrium ultimately via the inferior vena cava. In the vast majority of patients infracardiac TAPVC is obstructed.
230	Total anomalous pulmonary venous connection (TAPVC), Type 4 (mixed)	All of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium. In Type 4 (mixed) TAPVC, the anomalous connection is at two or more of the above levels (supracardiac, cardiac, infracardiac) and can be obstructed or nonobstructed.
250	Cor triatriatum	In the classic form of cor triatriatum a membrane divides the left atrium (LA) into a posterior accessory chamber that receives the pulmonary veins and an anterior chamber (LA) that communicates with the mitral valve. In differentiating cor triatriatum from supravalvar mitral ring, in cor triatriatum the posterior compartment contains the pulmonary veins while the anterior contains the left atrial appendage and the mitral valve orifice; in supravalvar mitral ring, the anterior compartment contains only the mitral valve orifice. Cor triatriatum dexter (prominent venous valve producing

		obstruction of the IVC and tricuspid valve) is to be coded as a systemic venous obstruction, not as a form of cor triatriatum.
260	Pulmonary venous stenosis	Any pathologic narrowing of one or more pulmonary veins. Can be further subdivided by etiology (congenital, acquired-postoperative, acquired- nonpostoperative) and extent of stenosis (diffusely hypoplastic, long segment focal/tubular stenosis, discrete stenosis).
270	Systemic venous anomaly	Anomalies of the systemic venous system (superior vena cava (SVC), inferior vena cava (IVC), brachiocephalic veins (often the innominate vein), azygos vein, coronary sinus, levo-atrial cardinal vein) arising from one or more anomalies of origin, duplication, course, or connection. Examples include abnormal or absent right SVC with LSVC, bilateral SVC, interrupted right or left IVC, azygos continuation of IVC, and anomalies of hepatic drainage. Bilateral SVC may have, among other configurations: 1) RSVC draining to the RA and the LSVC to the LA with completely unroofed coronary sinus, 2) RSVC draining to the RA and LSVC to the coronary sinus which drains (normally) into the RA, or 3) RSVC to the coronary sinus which drains (abnormally) into the LA and LSVC to LA. Anomalies of the inferior vena caval system include, among others: 1) left IVC to LA, 2) biatrial drainage, or 3) interrupted IVC (left or right) with azygos continuation to an LSVC or RSVC.
280	Systemic venous obstruction	Obstruction of the systemic venous system (superior vena cava (SVC), inferior vena cava (IVC), brachiocephalic veins (often the innominate vein), azygos vein, coronary sinus, levo-atrial cardinal vein) arising from congenital or acquired stenosis or occlusion. Cor triatriatum dexter (prominent venous valve producing obstruction of the IVC and tricuspid valve) is to be coded as a systemic venous obstruction, not as a form of cor triatriatum.
290	TOF	Indicate if the patient has the diagnosis of "TOF". Only use this diagnosis if it is NOT known if the patient has one of the following four more specific diagnoses: (1). "TOF, Pulmonary stenosis", (2). "TOF, AVC (AVSD)", (3). "TOF, Absent pulmonary valve", (4). " Pulmonary atresia, VSD (Including TOF, PA)", or (5). " Pulmonary atresia, VSD-MAPCA (pseudotruncus)".{" TOF" is "Tetralogy of Fallot" and is defined as a group of malformations with biventricular atrioventricular alignments or connections characterized by anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing or atresia of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta. Hearts with tetralogy of Fallot will always have a

ventricular septal defect, narrowing or atresia of the pulmonary outflow, and aortic override; hearts with tetralogy of Fallot will most often have right ventricular hypertrophy.} (An additional, often muscular [Type 4] VSD may be seen with TOF and should be coded separately as a secondary diagnosis as "VSD, Type 4 (Muscular)". Pulmonary arteries may be diminutive or there may be an absent left or right pulmonary artery; additional coding for pulmonary artery and/or branch pulmonary artery stenoses may be found under RVOT obstruction. Abnormal coronary artery distribution may also be associated with tetralogy of Fallot and may be coded separately under coronary artery anomalies. The presence of associated anomalies such as additional VSD, atrial septal defect, right aortic arch, left superior vena cava, and coronary artery anomalies must be subspecified as an additional or secondary diagnosis under the primary TOF diagnosis. TOF with absent pulmonary valve or TOF with associated complete atrioventricular canal are NOT to be secondary diagnoses under TOF - they are separate entities and should be coded as such. Controversy surrounds the differentiation between TOF and double outlet right ventricle [DORV]; in the nomenclature used here, DORV is defined as a type of ventriculoarterial connection in which both great vessels arise predominantly from the right ventricle. TOF with pulmonary atresia is to be coded under "Pulmonary atresia-VSD.")

Indicate if the patient has the diagnosis of "TOF, Pulmonary stenosis". Use this diagnosis if the patient has tetralogy of Fallot and pulmonary stenosis. Do not use this diagnosis if the patient has tetralogy of Fallot and pulmonary atresia. Do not use this diagnosis if the patient has tetralogy of Fallot and absent pulmonary valve. Do not use this diagnosis if the patient has tetralogy of Fallot and atrioventricular canal. {Tetralogy of Fallot is defined as a group of malformations with biventricular atrioventricular alignments or connections characterized by anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing or atresia of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta. Hearts with tetralogy of Fallot will always have a ventricular septal defect, narrowing or atresia of the pulmonary outflow, and aortic override; hearts with tetralogy of Fallot will most often have right ventricular hypertrophy. (An additional, often muscular [Type 4] VSD may be seen with TOF and should be coded separately as a secondary diagnosis as "VSD, Type 4 (Muscular)". Pulmonary arteries may be diminutive or there may be an absent left or right pulmonary artery;

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		additional coding for pulmonary artery and/or branch pulmonary artery stenoses may be found under RVOT obstruction. Abnormal coronary artery distribution may also be associated with tetralogy of Fallot and may be coded separately under coronary artery anomalies. The presence of associated anomalies such as additional VSD, atrial septal defect, right aortic arch, left superior vena cava, and coronary artery anomalies must be subspecified as an additional or secondary diagnosis under the primary TOF diagnosis. TOF with absent pulmonary valve or TOF with associated complete atrioventricular canal are NOT to be secondary diagnoses under TOF - they are separate entities and should be coded as such. Controversy surrounds the differentiation between TOF and double outlet right ventricle [DORV]; in the nomenclature used here, DORV is defined as a type of ventriculoarterial connection in which both great vessels arise predominantly from the right ventricle. TOF with pulmonary atresia is to be coded under "Pulmonary atresia-VSD.")}
300	TOF, AVC (AVSD)	TOF with complete common atrioventricular canal defect is a rare variant of common atrioventricular canal defect with the associated conotruncal abnormality of TOF. The anatomy of the endocardial cushion defect is that of Rastelli type C in almost all cases.
310	TOF, Absent pulmonary valve	Indicate if the patient has the diagnosis of "TOF, Absent pulmonary valve". "TOF, Absent pulmonary valve" is " Tetralogy of Fallot with Absent pulmonary valve" and is defined as a malformation with all of the morphologic characteristics of tetralogy of Fallot (anterosuperior deviation of the conal or outlet septum or its fibrous remnant, narrowing of the pulmonary outflow, a ventricular septal defect of the malalignment type, and biventricular origin of the aorta), in which the ventriculo-arterial junction of the right ventricle with the main pulmonary artery features an atypical valve with rudimentary cusps that lack the anatomical semi- lunar features of normal valve cusps and which functionally do not achieve central coaptation. The physiologic consequence is usually a combination of variable degrees of both stenosis and regurgitation of the pulmonary valve. A developmental accompaniment of this anatomy and physiology is dilatation of the main pulmonary artery and central right and left pulmonary arteries, which when extreme, is associated with abnormal arborization of lobar and segmental pulmonary artery branches and with compression of the trachea and mainstem bronchi. One theory holds that absence of the arterial duct or ductal ligament (which is a nearly constant finding in cases of tetralogy of Fallot with absent pulmonary valve) in combination with pulmonary `valve stenosis and regurgitation, comprise

		the physiologic conditions which predispose to central pulmonary artery dilatation during fetal development. (Tetralogy of Fallot with Absent Pulmonary Valve Syndrome is a term frequently used to describe the clinical presentation when it features both circulatory alterations and respiratory distress secondary to airway compression.)
320	Pulmonary atresia	Pulmonary atresia defects which do not readily fall into pulmonary atresia-intact ventricular septum or pulmonary atresia-VSD (with or without MAPCAs) categories. These may include complex lesions in which pulmonary atresia is a secondary diagnosis, for example, complex single ventricle malformations with associated pulmonary atresia.
330	Pulmonary atresia, IVS	Pulmonary atresia (PA) and intact ventricular septum (IVS) is a duct-dependent congenital malformation that forms a spectrum of lesions including atresia of the pulmonary valve, a varying degree of right ventricle and tricuspid valve hypoplasia, and anomalies of the coronary circulation. An RV dependent coronary artery circulation is present when coronary artery fistulas (coronary sinusoids) are associated with a proximal coronary artery stenosis. Associated Ebstein's anomaly of the tricuspid valve can be present; the tricuspid diameter is enlarged and the prognosis is poor.
340	Pulmonary atresia, VSD (Including TOF, PA)	Pulmonary atresia (PA) and ventricular septal defect (VSD) is a heterogeneous group of congenital cardiac malformations in which there is lack of luminal continuity and absence of blood flow from either ventricle (in cases with ventriculo-arterial discordance) and the pulmonary artery, in a biventricular heart that has an opening or a hole in the interventricular septum (VSD). The malformation forms a spectrum of lesions including tetralogy of Fallot with pulmonary atresia. Tetralogy of Fallot with PA is a specific type of PA- VSD where the intracardiac malformation is more accurately defined (extreme underdevelopment of the RV infundibulum with marked anterior and leftward displacement of the infundibular septum often fused with the anterior wall of the RV resulting in complete obstruction of blood flow into the pulmonary artery and associated with a large outlet, subaortic ventricular septal defect). In the vast majority of cases of PA-VSD the intracardiac anatomy is that of TOF. The pulmonary circulation in PA-VSD is variable in terms of origin of blood flow, presence or absence of native pulmonary arteries, presence or absence of major aortopulmonary collateral arteries (MAPCA(s)), and distal distribution (pulmonary parenchymal segment arborization) abnormalities. Native pulmonary arteries may be present or absent. If MAPCAs are present this code should not be used; instead, Pulmonary atresia, VSD-

350	Pulmonary atresia, VSD- MAPCA (pseudotruncus)	MAPCA(s) are large and distinct arteries, highly variable in number, that usually arise from the descending thoracic aorta, but uncommonly may originate from the aortic arch or the subclavian, carotid or even the coronary arteries. MAPCA(s) may be associated with present or absent native pulmonary arteries. If present, the native pulmonary arteries may be hypoplastic, and either confluent or nonconfluent. Systemic pulmonary collateral arteries have been categorized into 3 types based on their site of origin and the way they connect to the pulmonary circulation: direct aortopulmonary collaterals, indirect aortopulmonary collaterals, and true bronchial arteries. Only the first two should be considered MAPCA(s). If MAPCA(s) are associated with PA-VSD or TOF, PA this code should be used.
360	MAPCA(s) (major aortopulmonary collateral[s]) (without PA-VSD)	Rarely MAPCA(s) may occur in patents who do not have PA-VSD, but have severe pulmonary stenosis. The intracardiac anatomy in patients who have MAPCA(s) without PA should be specifically coded in each case as well.
370	Ebstein's anomaly	Indicate if the patient has the diagnosis of "Ebstein's anomaly". Ebstein's anomaly is a malformation of the tricuspid valve and right ventricle that is characterized by a spectrum of several features: (1) incomplete delamination of tricuspid valve leaflets from the myocardium of the right ventricle; (2) downward (apical) displacement of the functional annulus; (3) dilation of the "atrialized" portion of the right ventricle with variable degrees of hypertrophy and thinning of the wall; (4) redundancy, fenestrations, and tethering of the anterior leaflets; and (5) dilation of the right atrioventricular junction (the true tricuspid annulus). These anatomical and functional abnormalities cause tricuspid regurgitation (and rarely tricuspid stenosis) that results in right atrial and right ventricular dilatation and atrial and ventricular arrhythmias. With increasing degrees of anatomic severity of malformation, the fibrous transformation of leaflets from their muscular precursors remains incomplete, with the septal leaflet being most severely involved, the posterior leaflet less severely involved. Associated cardiac anomalies include an interatrial communication, the presence of accessory conduction pathways often associated with Wolff-Parkinson-White syndrome, and dilation of the right atrium and right ventricle in patients with severe Ebstein's anomaly. (Varying degrees of right ventricular outflow tract obstruction may be present, including pulmonary atresia in some cases. Such cases

MAPCA (pseudotruncus) should be used.

of Ebstein's anomaly with pulmonary atresia should be

		coded with a Primary Diagnosis of "Ebstein's anomaly" , and a Secondary Diagnosis of "Pulmonary atresia".) (Some patients with atrioventricular discordance and ventriculoarterial discordance in situs solitus [congenitally corrected transposition] have an Ebstein- like deformity of the left-sided morphologically tricuspid valve. The nature of the displacement of the septal and posterior leaflets is similar to that in right- sided Ebstein's anomaly in patients with atrioventricular concordance and ventriculoarterial concordance in situs solitus. These patients with "Congenitally corrected TGA" and an Ebstein-like deformity of the left-sided morphologically tricuspid valve should be coded with a Primary Diagnosis of "Congenitally corrected TGA", and a Secondary Diagnosis of "Ebstein's anomaly".)
380	Tricuspid regurgitation, non- Ebstein's related	Non-Ebstein's tricuspid regurgitation may be due to congenital factors (primary annular dilation, prolapse, leaflet underdevelopment, absent papillary muscle/chordae) or acquired (post cardiac surgery or secondary to rheumatic fever, endocarditis, trauma, tumor, cardiomyopathy, iatrogenic or other causes).
390	Tricuspid stenosis	Tricuspid stenosis may be due to congenital factors (valvular hypoplasia, abnormal subvalvar apparatus, double-orifice valve, parachute deformity) or acquired (post cardiac surgery or secondary to carcinoid, rheumatic fever, tumor, systemic disease, iatrogenic, or other causes).
400	Tricuspid regurgitation and tricuspid stenosis	Tricuspid regurgitation present with tricuspid stenosis may be due to congenital factors or acquired.
410	Tricuspid valve, Other	Tricuspid valve pathology not otherwise specified in diagnosis definitions 370, 380, 390 and 400.
420	Pulmonary stenosis, Valvar	Pulmonary stenosis, Valvar ranges from critical neonatal pulmonic valve stenosis with hypoplasia of the right ventricle to valvar pulmonary stenosis in the infant, child, or adult, usually better tolerated but potentially associated with infundibular stenosis. Pulmonary branch hypoplasia can be associated. Only 10% of neonates with Pulmonary stenosis, Valvar with intact ventricular septum have RV-to-coronary artery fistula(s). An RV dependent coronary artery circulation is present when coronary artery fistulas (coronary sinusoids) are associated with a proximal coronary artery stenosis; this occurs in only 2% of neonates with Pulmonary stenosis, Valvar with IVS.
430	Pulmonary artery stenosis (hypoplasia), Main (trunk)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis (hypoplasia), Main (trunk)". " Pulmonary artery stenosis (hypoplasia), Main (trunk)" is defined as a congenital or acquired anomaly with pulmonary trunk (main pulmonary artery) narrowing or hypoplasia. The stenosis or hypoplasia may be isolated or associated with other cardiac lesions. Since the

		narrowing is distal to the pulmonic valve, it may also be known as supravalvar pulmonary stenosis.
440	Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)". "Pulmonary artery stenosis, Branch, Central (within the hilar bifurcation)" is defined as a congenital or acquired anomaly with central pulmonary artery branch (within the hilar bifurcation involving the right or left pulmonary artery, or both) narrowing or hypoplasia. The stenosis or hypoplasia may be isolated or associated with other cardiac lesions. Coarctation of the pulmonary artery is related to abnormal extension of the ductus arteriosus into a pulmonary branch, more frequently the left branch.
450	Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)	Indicate if the patient has the diagnosis of "Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)". "Pulmonary artery stenosis, Branch, Peripheral (at or beyond the hilar bifurcation)" is defined as a congenital or acquired anomaly with peripheral pulmonary artery narrowing or hypoplasia (at or beyond the hilar bifurcation). The stenosis or hypoplasia may be isolated or associated with other cardiac lesions.
470	Pulmonary artery, Discontinuous	Indicate if the patient has the diagnosis of "Pulmonary artery, Discontinuous". Pulmonary artery, Discontinuous" is defined as a congenital or acquired anomaly with discontinuity between the branch pulmonary arteries or between a branch pulmonary artery and the main pulmonary artery trunk.
490	Pulmonary stenosis, Subvalvar	Subvalvar (infundibular) pulmonary stenosis is a narrowing of the outflow tract of the right ventricle below the pulmonic valve. It may be due to a localized fibrous diaphragm just below the valve, an obstructing muscle bundle or to a long narrow fibromuscular channel.
500	DCRV	The double chambered right ventricle is characterized by a low infundibular (subvalvar) stenosis rather than the rare isolated infundibular stenosis that develops more superiorly in the infundibulum, and is often associated with one or several closing VSDs. In some cases, the VSD is already closed. The stenosis creates two chambers in the RV, one inferior including the inlet and trabecular portions of the RV and one superior including the infundibulum.
510	Pulmonary valve, Other	Other anomalies of the pulmonary valve may be listed here including but not restricted to absent pulmonary valve.
530	Pulmonary insufficiency	Pulmonary valve insufficiency or regurgitation may be due to congenital factors (primary annular dilation, prolapse, leaflet underdevelopment, etc.) or acquired (for example, post cardiac surgery for repair of tetralogy

		of Fallot, etc.).
540	Pulmonary insufficiency and pulmonary stenosis	Pulmonary valve insufficiency and pulmonary stenosis beyond the neonatal period, in infancy and childhood, may be secondary to leaflet tissue that has become thickened and myxomatous. Retraction of the commissure attachment frequently creates an associated supravalvar stenosis.
2130	Shunt failure	Indicate if the patient has the diagnosis of "Shunt failure ". This diagnostic subgroup includes failure of any of a variety of shunts ("Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)", "Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)", "Shunt, Systemic to pulmonary, Other", and "Sano Shunt"), secondary to any of the following etiologies: shunt thrombosis, shunt occlusion, shunt stenosis, shunt obstruction, and shunt outgrowth. This diagnosis ("Shunt failure") would be the primary diagnosis in a patient with, for example, " Hypoplastic left heart syndrome (HLHS)" who underwent a "Norwood procedure" with a "Modified Blalock-Taussig Shunt" and now requires reoperation for thrombosis of the "Modified Blalock-Taussig Shunt" . The underlying or fundamental diagnosis in this patient is "Hypoplastic left heart syndrome (HLHS)", but the primary diagnosis for the operation to be performed to treat the thrombosis of the "Modified Blalock-Taussig Shunt" would be "Shunt failure".
		Please note that the choice "2130 Shunt failure" does not include "520 Conduit failure".
520	Conduit failure	Indicate if the patient has the diagnosis of "Conduit failure". This diagnostic subgroup includes failure of any of a variety of conduits (ventricular [right or left]-to- PA conduits, as well as a variety of other types of conduits [ventricular {right or left}-to-aorta, RA-to-RV, etc.]), secondary to any of the following etiologies: conduit outgrowth, obstruction, stenosis, insufficiency, or insufficiency and stenosis. This diagnosis ("Conduit failure") would be the primary diagnosis in a patient with, for example, "Truncus arteriosus" repaired in infancy who years later is hospitalized because of conduit stenosis/insufficiency. The underlying or fundamental diagnosis in this patient is "Truncus arteriosus", but the primary diagnosis for the operation to be performed during the hospitalization (in this case, " Conduit reoperation") would be "Conduit failure".
		Please note that the choice "520 Conduit failure" does not include "2130 Shunt failure".
550	Aortic stenosis, Subvalvar	Subaortic obstruction can be caused by different lesions: subaortic membrane or tunnel, accessory mitral valve tissue, abnormal insertion of the mitral anterior

leaflet to the ventricular septum, deviation of the outlet septum (seen in coarctation of the aorta and interrupted aortic arch), or a restrictive bulboventricular foramen in single ventricle complexes. The Shone complex consists of subvalvar aortic stenosis in association with supravalvar mitral ring, parachute mitral valve, and coarctation of aorta. Subvalvar aortic stenosis may be categorized into two types: localized subvalvar aortic stenosis, which consists of a fibrous or fibromuscular ridge, and diffuse tunnel subvalvar aortic stenosis, in which circumferential narrowing commences at the annular level and extends downward for 1-3 cm. Idiopathic hypertrophic subaortic stenosis (IHSS) is also know as hypertrophic obstructive cardiomyopathy (HOCM), and is characterized by a primary hypertrophy of the myocardium. The obstructive forms involve different degrees of dynamic subvalvar aortic obstruction from a thickened ventricular wall and anterior motion of the mitral valve. Definitive nomenclature and therapeutic options for IHSS are listed under cardiomyopathy. 560 Aortic stenosis, Valvar Valvar aortic stenosis may be congenital or acquired. In its congenital form there are two types: critical (infantile), seen in the newborn in whom systemic perfusion depends on a patent ductus arteriosus, and noncritical, seen in infancy or later. Acquired valvar stenosis may be seen after as a result of rheumatic valvar disease, or from stenotic changes of an aortic valve prosthesis. Congenital valvar stenosis may result: (1) from complete fusion of commissures (acommissural) that results in a dome-shaped valve with a pinpoint opening (seen most commonly in infants with critical aortic valve stenosis); (2) from a unicommissural valve with one defined commissure and eccentric orifice (often with two raphes radiating from the ostium indicating underdeveloped commissures of a tricuspid aortic valve); (3) from a bicuspid aortic valve, with leaflets that can be equal in size or discrepant, and in left-right or anterior-posterior position; and finally (4) from a dysplastic tricuspid valve, which may have a gelatinous appearance with thick rarely equal in size leaflets, often obscuring the commissures. The dysplastic, tricuspid or bicuspid form of aortic valve deformity may not be initially obstructive but may become stenotic later in life due to leaflet thickening and calcification. 570 Aortic stenosis, Supravalvar Congenital supravalvar aortic stenosis is described as three forms: an hourglass deformity, a fibrous membrane, and a diffuse narrowing of the ascending aorta. The disease can be inherited as an autosomal dominant trait or part of Williams-Beuren syndrome in association with mental retardation, elfin facies, failure to thrive, and occasionally infantile hypercalcemia.

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	Supravalvar aortic stenosis may involve the coronary artery ostia, and the aortic leaflets may be tethered. The coronary arteries can become tortuous and dilated due to elevated pressures and early atherosclerosis may ensue. Supravalvar aortic stenosis may also be acquired: (1) after a neoaortic reconstruction such as arterial switch, Ross operation, or Norwood procedure; (2) at a suture line from a previous aortotomy or cannulation; and (3) from a narrowed conduit.
Aortic valve atresia	Aortic valve atresia will most often be coded under the Hypoplastic left heart syndrome/complex diagnostic codes since it most often occurs as part of a spectrum of cardiac malformations. However, there is a small subset of patients with aortic valve atresia who have a well- developed left ventricle and mitral valve and a large VSD (nonrestrictive or restrictive). The diagnostic code "Aortic valve atresia" enables users to report those patients with aortic valve atresia and a well-developed systemic ventricle without recourse to either a hypoplastic left heart syndrome/complex diagnosis or a single ventricle diagnosis.
Aortic insufficiency	Congenital aortic regurgitation/insufficiency is rare as an isolated entity. There are rare reports of congenital malformation of the aortic valve that result in aortic insufficiency shortly after birth from an absent or underdeveloped aortic valve cusp. Aortic insufficiency is more commonly seen with other associated cardiac anomalies: (1) in stenotic aortic valves (commonly stenotic congenital bicuspid aortic valves) with some degree of aortic regurgitation due to aortic leaflet abnormality; (2) in association with a VSD (especially in supracristal or conal type I VSD, more commonly seen in Asian populations); (3) secondary to aortic-left ventricular tunnel; (4) secondary to tethering or retraction of aortic valve leaflets in cases of supravalvar aortic stenosis that may involve the aortic valve; and similarly (5) secondary to encroachment on an aortic cusp by a subaortic membrane; or (6) turbulence caused by a stenotic jet can create progressive aortic regurgitation. Aortic insufficiency may also result from: (1) post-procedure such as closed or open valvotomy or aortic valve repair, VSD closure, balloon valvotomy, or diagnostic catheterization; (2) in the neo- aorta post arterial switch, pulmonary autograft (Ross) procedure, homograft placement, Norwood procedure, or Damus-Kaye-Stansel procedure; (3) as a result of endocarditis secondary to perforated or prolapsed leaflets or annular dehiscence; (4) secondary to annulo- aortic ectasia with prolapsed or noncoapting leaflets; (5) secondary to trauma, blunt or penetrating; or (6) as a result of aortitis, bacterial, viral or autoimmune. Aortic regurgitation secondary to prosthetic failure should be coded first as either conduit failure or prosthetic valve

		failure, as applicable, and secondarily as aortic regurgitation secondary to prosthetic failure (perivalvar or due to structural failure). The underlying fundamental diagnosis that led to the initial conduit or valve prosthesis placement should also be described.
610	Aortic insufficiency and aortic stenosis	Aortic insufficiency is often seen in association with stenotic aortic valve, commonly the stenotic congenital bicuspid aortic valve. The degree of aortic regurgitation is due to the severity of the aortic leaflet abnormality.
620	Aortic valve, Other	This diagnostic subgroup may be used to delineate aortic valve cusp number (unicuspid, bicuspid, tricuspid, more than three cusps), commissural fusion (nromal, partially fused, completely fused), and valve leaflet (normal, thickened, dysplastic, calcified, gelatinous), annulus (normal, hypoplastic, calcified), or sinus description (normal, dilated). Note that any extensive descriptors chosen within those made available by a vendor will be converted, at harvest, to Aortic valve, Other.
630	Sinus of Valsalva aneurysm	The sinus of Valsalva is defined as that portion of the aortic root between the aortic root annulus and the sinotubular ridge. A congenital sinus of Valsalva aneurysm is a dilation usually of a single sinus of Valsalva. These most commonly originate from the right sinus (65%-85%), less commonly from the noncoronary sinus (10%-30%), and rarely from the left sinus (<5%). A true sinus of Valsalva aneurysm presents above the aortic annulus. The hierarchical coding system distinguishes between congenital versus acquired, ruptured versus nonruptured, sinus of origin, and chamber/site of penetration (right atrium, right ventricle, left atrium, left ventricle, pulmonary artery, pericardium). A nonruptured congenital sinus of Valsalva aneurysm into an adjacent chamber occurs most commonly between the ages of 15-30 years. Rupture may occur spontaneously, after trauma, after strenuous physical exertion, or from acute bacterial endocarditis. Congenital etiology is supported by the frequent association of sinus of Valsalva aneurysms with VSDs. Other disease processes are also associated with sinus of Valsalva aneurysm and include: syphilis, endocarditis, cystic medial necrosis, atherosclerosis, and trauma. Acquired sinus of Valsalva aneurysms more frequently involve multiple sinuses of Valsalva; when present in multiple form they are more appropriately classified as aneurysms of the aortic root.
640	LV to aorta tunnel	The aortico-left ventricular tunnel (LV-to-aorta tunnel) is an abnormal paravalvular (alongside or in the vicinity of a valve) communication between the aorta and left

		ventricle, commonly divided into 4 types: (1) type I, a simple tunnel with a slit-like opening at the aortic end and no aortic valve distortion; (2) type II, a large extracardiac aortic wall aneurysm of the tunnel with an oval opening at the aortic end, with or without ventricular distortion; (3) type III, intracardiac aneurysm of the septal portion of the tunnel, with or without right ventricular outflow obstruction; and (4) type IV, a combination of types II and III. Further differentiation within these types may be notation of right coronary artery arising from the wall of the tunnel. If a LV-to-aorta tunnel communicates with the right ventricle, many feel that the defect is really a ruptured sinus of Valsalva aneurysm.
650	Mitral stenosis, Supravalvar mitral ring	Supravalvar mitral ring is formed by a circumferential ridge of tissue that is attached to the anterior mitral valve leaflet (also known as the aortic leaflet) slightly below its insertion on the annulus and to the atrium slightly above the attachment of the posterior mitral valve leaflet (also known as the mural leaflet). Depending on the diameter of the ring orifice, varying degrees of obstruction exist. The underlying valve is usually abnormal and frequently stenotic or hypoplastic. Supravalvar mitral ring is commonly associated with other stenotic lesions such as parachute or hammock valve (subvalvar stenosis), papillary muscle fusion (subvalvar stenosis), and double orifice mitral valve (valvar stenosis). Differentiation from cor triatriatum focuses on the compartments created by the supravalvar ring. In cor triatriatum the posterior compartment contains the pulmonary veins; the anterior contains the left atrial appendage and the mitral valve orifice. In supravalvar mitral ring, the posterior compartment contains the pulmonary veins and the left atrial appendage; the anterior compartment contains only the mitral valve orifice. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
660	Mitral stenosis, Valvar	Valvar mitral stenosis may arise from congenital (annular and / or leaflet) or acquired causes, both surgical (after mitral valve repair or replacement or other cardiac surgery) and non-surgical (post rheumatic heart disease, infective endocarditis, ischemia, myxomatomous degeneration, trauma, or cardiomyopathy). Mitral valve annular hypoplasia is distinguished from severe mitral valve hypoplasia and mitral valve atresia, which are typically components of hypoplastic left heart syndrome. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the

		primary defect.
670	Mitral stenosis, Subvalvar	Congenital subvalvar mitral stenosis may be due to obstructive pathology of either the chordae tendineae and / or papillary muscles which support the valve leaflets. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
680	Mitral stenosis, Subvalvar, Parachute	In parachute mitral valve, all chordae are attached to a single papillary muscle originating from the posterior ventricular wall. When the interchordal spaces are partially obliterated valvar stenosis results. This defect also causes valvar insufficiency, most commonly due to a cleft leaflet, a poorly developed anterior leaflet, short chordae, or annular dilatation. This lesion is also part of Shone's anomaly, which consists of the parachute mitral valve, supravalvar mitral ring, subaortic stenosis, and coarctation of the aorta. When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
695	Mitral stenosis	Stenotic lesions of the mitral valve not otherwise specified in the diagnosis definitions 650, 660, 670, and 680.
700	Mitral regurgitation and mitral stenosis	Mitral regurgitation and mitral stenosis may arise from congenital or acquired causes or after cardiac surgery. Additional details to aid in coding specific components of the diagnosis are available in the individual mitral stenosis or mitral regurgitation field definitions. When coding multiple mitral valve lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
710	Mitral regurgitation	Mitral regurgitation may arise from congenital (at the annular, leaflet or subvalvar level) or acquired causes both surgical (after mitral valve repair or replacement, subaortic stenosis repair, atrioventricular canal repair, cardiac transplantation, or other cardiac surgery) and non-surgical (post rheumatic heart disease, infective endocarditis, ischemia (with chordal rupture or papillary muscle infarct), myxomatomous degeneration including Barlow's syndrome, trauma, or cardiomyopathy). Congenital lesions at the annular level include annular dilatation or deformation (usually deformation is consequent to associated lesions). At the valve leaflet level, mitral regurgitation may be due to a cleft, hypoplasia or agenesis of leaflet(s), excessive leaflet tissue, or a double orifice valve. At the subvalvar level, mitral regurgitation may be secondary to chordae tendineae anomalies (agenesis, rupture, elongation, or

700		shortening as in funnel valve), or to papillary muscle anomalies (hypoplasia or agenesis, shortening, elongation, single-parachute, or multiple-hammock valve). When coding multiple mitral valvar lesions the predominant defect causing the functional effect (regurgitation, stenosis, or regurgitation and stenosis) should be listed as the primary defect.
720	Mitral valve, Other	Mitral valve pathology not otherwise coded in diagnosis definitions 650 through 710.
730	Hypoplastic left heart syndrome (HLHS)	Hypoplastic left heart syndrome (HLHS) is a spectrum of cardiac malformations characterized by a severe underdevelopment of the left heart-aorta complex, consisting of aortic and/or mitral valve atresia, stenosis, or hypoplasia with marked hypoplasia or absence of the left ventricle, and hypoplasia of the ascending aorta and of the aortic arch with coarctation of the aorta. Hypoplastic left heart complex is a subset of patients at the favorable end of the spectrum of HLHS characterized by hypoplasia of the structures of the left heart-aorta complex, consisting of aortic and mitral valve hypoplasia without valve stenosis or atresia, hypoplasia of the left ventricle, hypoplasia of the left ventricular outflow tract, hypoplasia of the ascending aorta and of the aortic arch, with or without coarctation of the aorta.
2080	Shone's syndrome	Shone's syndrome is a syndrome of multilevel hypoplasia and obstruction of left sided cardiovascular structures including more than one of the following lesions: (1) supravalvar ring of the left atrium, (2) a parachute deformity of the mitral valve, (3) subaortic stenosis, and (4) aortic coarctation. The syndrome is based on the original report from Shone [1] that was based on analysis of 8 autopsied cases and described the tendency of these four obstructive, or potentially obstructive, conditions to coexist. Only 2 of the 8 cases exhibited all four conditions, with the other cases exhibited all four conditions, with the other cases exhibiting only two or three of the anomalies [2]. [1] Shone JD, Sellers RD, Anderson RG, Adams P, Lillehei CW, Edwards JE. The developmental complex of " parachute mitral valve", supravalvar ring of left atrium, subaortic stenosis, and coarctation of the aorta. Am J Cardiol 1963; 11: 714–725. [2]. Tchervenkov CI, Jacobs JP, Weinberg PM, Aiello VD, Beland MJ, Colan SD, Elliott MJ, Franklin RC, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G. The nomenclature, definition and classification of hypoplastic left heart syndrome. Cardiology in the Young, 2006; 16(4): 339–368, August 2006.

Please note that the term "2080 Shone's syndrome" may be the "Fundamental Diagnosis" of a patient; however, the term "2080 Shone's syndrome" may not be the "

		Primary Diagnosis" of an operation. The term "2080 Shone's syndrome" may be a "Secondary Diagnosis" of an operation.
740	Cardiomyopathy (including dilated, restrictive, and hypertrophic)	Cardiomyopathy is a term applied to a wide spectrum of cardiac diseases in which the predominant feature is poor myocardial function in the absence of any anatomic abnormalities. Cardiomyopathies can be dividied into three relatively easily distinguishable entities: (1) dilated, characterized by ventricular dilatation and systolic dysfunction; (2) hypertrophic, characterized by physiologically inappropriate hypertrophy of the left ventricle; and (3) restrictive, characterized by diastolic dysfunction, with a presentation often identical to constrictive pericarditis. Also included in this diagnostic category are patients with a cardiomyopathy or syndrome confined to the right ventricle, for example: (1) arrhythmogenic right ventricular dysplasia; (2) Uhl's syndrome (hypoplasia of right ventricular myocardium, parchment heart); or (3) spongiform cardiomyopathy.
750	Cardiomyopathy, End-stage congenital heart disease	Myocardial abnormality in which there is systolic and/or diastolic dysfunction in the presence of structural congenital heart disease without any (or any further) surgically correctable lesions.
760	Pericardial effusion	Inflammatory stimulation of the pericardium that results in the accumulation of appreciable amounts of pericardial fluid (also known as effusive pericarditis). The effusion may be idiopathic or acquired (e.g., postoperative, infectious, uremic, neoplastic, traumatic, drug-induced).
770	Pericarditis	Inflammatory process of the pericardium that leads to either (1) effusive pericarditis with accumulation of appreciable amounts of pericardial fluid or (2) constrictive pericarditis that leads to pericardial thickening and compression of the cardiac chambers, ultimately with an associated significant reduction in cardiac function. Etiologies are varied and include idiopathic or acquired (e.g., postoperative, infectious, uremic, neoplastic, traumatic, drug-induced) pericarditis.
780	Pericardial disease, Other	A structural or functional abnormality of the visceral or parietal pericardium that may, or may not, have a significant impact on cardiac function. Included are absence or partial defects of the pericardium.
790	Single ventricle, DILV	Single morphologically left ventricle (smooth internal walls, lack chordal attachments of AV valves to the rudimentary septal surface) that receives both atrioventricular valves.
800	Single ventricle, DIRV	Single morphologically right ventricle (more heavily trabeculated, generally have chordal attachments of AV valve to the septal surfaces) that receives both atrioventricular valves.

810	Single ventricle, Mitral atresia	Single ventricle anomalies with mitral atresia. May also be associated with double outlet right ventricle, congenitally corrected transposition, pulmonary atresia, or pulmonary stenosis.
820	Single ventricle, Tricuspid atresia	Single ventricle anomalies with tricuspid atresia. May also be associated with complete transposition of the great arteries, congenitally corrected transposition of the great arteries, pulmonary atresia, pulmonary stenosis, subaortic stenosis, or ventricular septal defect (small or large).
830	Single ventricle, Unbalanced AV canal	Single ventricle anomalies with a common atrioventricular (AV) valve and only one completely well developed ventricle. If the common AV valve opens predominantly into the morphologic left ventricle, the defect is termed a left ventricular (LV)–type or LV- dominant AV septal defect. If the common AV valve opens predominantly into the morphologic right ventricle, the defect is termed a right ventricular (RV)– type or RV-dominant AV septal defect.
840	Single ventricle, Heterotaxia syndrome	Visceral heterotaxy syndrome is literally defined as a pattern of anatomic organization of the thoracic and abdominal organs that is neither the expected usual or normal arrangement (so-called situs solitus) nor complete situs inversus (the unusual or mirror-image arrangement of normal). If asymmetry of the thoracic and abdominal viscera is the usual or normal situation, visceral heterotaxy syndrome includes patients with an unusual degree of thoracic and abdominal visceral symmetry. This broad term includes patients with a wide variety of complex cardiac lesions. One way to impose order on this diverse group of cardiac lesions is to stratify them according to the morphology of the atrial appendages. In atrial appendage isomerism, both atrial appendages are similar rather than displaying their usual distinctive morphology. Right or left atrial appendage isomerism exists when both atria have right or left atrial appendage morphologic characteristics, respectively. Right atrial appendage isomerism is frequently associated with bilaterally trilobed lungs (each with short bronchi) and asplenia. Left atrial appendage isomerism frequently is associated with bilaterally bilobed lungs (each with long bronchi) and polysplenia. Many types of anomalies of systemic venous connection are frequently associated with heterotaxy syndrome.Visceral heterotaxy syndrome is literally defined as a pattern of anatomic organization of the thoracic and abdominal organs that is neither the expected usual or normal arrangement (so-called situs solitus) nor complete situs inversus (the unusual or mirror-image arrangement of normal). If asymmetry of the thoracic and abdominal viscera is the usual or normal situation, visceral heterotaxy syndrome includes

patients with an unusual degree of thoracic and abdominal visceral symmetry. This broad term includes patients with a wide variety of complex cardiac lesions. One way to impose order on this diverse group of cardiac lesions is to stratify them according to the morphology of the atrial appendages. In atrial appendage isomerism, both atrial appendages are similar rather than displaying their usual distinctive morphology. Right or left atrial appendage isomerism exists when both atria have right or left atrial appendage morphologic characteristics, respectively. Right atrial appendage isomerism is frequently associated with bilaterally trilobed lungs (each with short bronchi) and asplenia. Left atrial appendage isomerism frequently is associated with bilaterally bilobed lungs (each with long bronchi) and polysplenia. Many types of anomalies of systemic venous connection are frequently associated with heterotaxy syndrome.

If the single ventricle is of primitive or indeterminate type, other is chosen in coding. It is recognized that a considerable variety of other structural cardiac malformations (e.g., biventricular hearts with straddling atrioventricular valves, pulmonary atresia with intact ventricular septum, some complex forms of double outlet right ventricle) may at times be best managed in a fashion similar to that which is used to treat univentricular hearts. They are not to be coded in this section of the nomenclature, but according to the underlying lesions.

Indicate if the patient has the diagnosis of "Single Ventricle + Total anomalous pulmonary venous connection (TAPVC)". In the event of Single Ventricle occurring in association with Total anomalous pulmonary venous connection (TAPVC), code "Single Ventricle + Total anomalous pulmonary venous connection (TAPVC)", and then use additional (secondary) diagnostic codes to describe the Single Ventricle and the Total anomalous pulmonary venous connection (TAPVC) separately to provide further documentation about the Single Ventricle and Total anomalous pulmonary venous connection (TAPVC) types. {"Total anomalous pulmonary venous connection (TAPVC)" is defined as a heart where all of the pulmonary veins connect anomalously with the right atrium or to one or more of its venous tributaries. None of the pulmonary veins connect normally to the left atrium.} {The version of the IPCCC derived from the International Congenital Heart Surgery Nomenclature and Database Project of the EACTS and STS uses the term "single ventricle" as synonymous for the "functionally univentricular heart". (The functionally univentricular heart is defined as a spectrum of cardiac malformations in which entire ventricular mass is

850 Single ventricle, Other

851 Single Ventricle + Total anomalous pulmonary venous connection (TAPVC) functionally univentricular; in other words, whenever only one ventricle is capable, for whatever reason, of supporting either the systemic or the pulmonary circulation.) The consensus of the EACTS and STS Congenital Heart Surgery Database Committees is that the nomenclature proposal for single ventricle hearts would encompass hearts with double inlet atrioventricular connection (both double inlet left ventricle [DILV] and double inlet right ventricle [DIRV]), hearts with absence of one atrioventricular connection (mitral atresia and tricuspid atresia), hearts with a common atrioventricular valve and only one completely well-developed ventricle (unbalanced common atrioventricular canal defect), hearts with only one fully well-developed ventricle and heterotaxia syndrome (single ventricle heterotaxia syndrome), and finally other rare forms of univentricular hearts that do not fit in one of the specified major categories. In the version of the IPCCC derived from the nomenclature of the International Congenital Heart Surgery Nomenclature and Database Project of the EACTS and the STS, patients classified in this section of the nomenclature, therefore, include all those who would be coded using the Short List for "Single Ventricle", specifically: (1) Single ventricle; (2) Single ventricle, DILV; (3) Single ventricle, DIRV; (4) Single ventricle, Heterotaxia syndrome; (5) Single ventricle, Mitral atresia; (6) Single ventricle, Tricuspid atresia; (7) Single ventricle, Unbalanced AV canal. (Despite the recognition that hypoplastic left heart syndrome is a common form of functionally univentricular heart, with a single or dominant ventricle of right ventricular morphology, the EACTS-STS version of the IPCCC includes an entirely separate section for consideration of hypoplastic left heart syndrome. Also, it is recognized that a considerable variety of other structural cardiac malformations, such as pulmonary atresia with intact ventricular septum, biventricular hearts with straddling atrioventricular valves, and some complex forms of double outlet right ventricle (DORV), may at times be best managed in a fashion similar to that which is used to treat other functionally univentricular hearts. Nomenclature for description of those entities, however, is not included in this Single Ventricle section of the EACTS-STS version of the IPCCC.) [1] [1]. Jacobs JP, Franklin RCG, Jacobs ML, Colan SD, Tchervenkov CI, Maruszewski B, Gaynor JW, Spray TL, Stellin G, Aiello VD, Béland MJ, Krogmann ON, Kurosawa H, Weinberg PM, Elliott MJ, Mavroudis C, Anderson R. Classification of the Functionally Univentricular Heart: Unity from mapped codes. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges in the Management of the Functionally Univentricular Heart, Jacobs JP, Wernovsky G, Gaynor

		JW, and Anderson RH (editors). Cardiology in the Young, Volume 16, Supplement 1: $9 - 21$ , February 2006.
870	Congenitally corrected TGA	Indicate if the patient has the diagnosis of "Congenitally corrected TGA". Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.
872	Congenitally corrected TGA, IVS	Indicate if the patient has the diagnosis of "Congenitally corrected TGA, IVS". "Congenitally corrected TGA, IVS" is "Congenitally corrected transposition with an intact ventricular septum", in other words, " Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo- arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)
874	Congenitally corrected TGA,	Indicate if the patient has the diagnosis of "Congenitally

Cardiac Da	liabase	Version. 2.73
	IVS-LVOTO	corrected TGA, IVS-LVOTO". "Congenitally corrected TGA, IVS-LVOTO" is "Congenitally corrected transposition with an intact ventricular septum and left ventricular outflow tract obstruction", in other words, " Congenitally corrected transposition with left ventricular outflow tract obstruction and no VSD". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo- arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology
		in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)
876	VSD	Indicate if the patient has the diagnosis of "Congenitally corrected TGA, VSD". "Congenitally corrected TGA, VSD" is "Congenitally corrected transposition with a VSD". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)
878	Congenitally corrected TGA, VSD-LVOTO	Indicate if the patient has the diagnosis of "Congenitally corrected TGA, VSD-LVOTO". "Congenitally

		corrected TGA, VSD-LVOTO" is "Congenitally corrected transposition with a VSD and left ventricular outflow tract obstruction". (Congenitally corrected transposition is synonymous with the terms 'corrected transposition' and 'discordant atrioventricular connections with discordant ventriculo-arterial connections', and is defined as a spectrum of cardiac malformations where the atrial chambers are joined to morphologically inappropriate ventricles, and the ventricles then support morphologically inappropriate arterial trunks [1]. [1] Jacobs JP, Franklin RCG, Wilkinson JL, Cochrane AD, Karl TR, Aiello VD, Béland MJ, Colan SD, Elliott, MJ, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Tchervenkov CI, Weinberg PM. The nomenclature, definition and classification of discordant atrioventricular connections. In 2006 Supplement to Cardiology in the Young: Controversies and Challenges of the Atrioventricular Junctions and Other Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Jacobs JP, Wernovsky G, Gaynor JW, and Anderson RH (editors). Cardiology in the Young, Volume 16 (Supplement 3): 72-84, September 2006.)
880	TGA, IVS	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with an intact ventricular septum. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or 1 transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
890	TGA, IVS-LVOTO	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with an intact ventricular septum and associated left ventricular obstruction. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or l transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
900	TGA, VSD	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with one or more ventricular septal defects.

		There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or l transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
910	TGA, VSD-LVOTO	A malformation of the heart in which there is atrioventricular concordance and ventriculoarterial discordance with one or more ventricular septal defects and left ventricular outflow tract obstruction. There may be d, l, or ambiguous transposition (segmental diagnoses include S,D,D, S,D,L, S,D,A). Also to be included in this diagnostic grouping are those defects with situs inversus, L-loop ventricles and either d or 1 transposition (segmental diagnosis of I,L,L and I,L,D) and occasionally those defects with ambiguous situs of the atria which behave as physiologically uncorrected transposition and are treated with arterial switch (segmental diagnoses include A,L,L and A,D,D).
930	DORV, VSD type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, VSD type, there is an associated subaortic or doubly-committed VSD and no pulmonary outflow tract obstruction. Subaortic VSD's are located beneath the aortic valve. Doubly-committed VSD's lie beneath the leaflets of the aortic and pulmonary valves (juxtaarterial). In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate sngle ventricle listing.
940	DORV, TOF type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, TOF type, there is an associated subaortic or doubly-committed VSD and pulmonary outflow tract obstruction. Subaortic VSD's are located beneath the aortic valve. Doubly-committed VSD's lie beneath the leaflets of the aortic and pulmonary valves (juxtaarterial). DORV can occur in association with pulmonary atresia, keeping in mind in coding that in the nomenclature developed for DORV, there must be usual atrial arrangements and concordant

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	atrioventricular connections, and normal or near-normal sized ventricles (in this situation DORV is coded as a primary diagnosis). Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate Single ventricle listing.
DORV, TGA type	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, TGA type, there is an associated subpulmonary VSD. Most frequently, there is no pulmonary outflow tract obstruction (Taussig-Bing heart). The aorta is usually to the right and slightly anterior to or side-by-side with the pulmonary artery. Associated aortic outflow tract stenosis (subaortic, aortic arch obstruction) is commonly associated with the Taussig-Bing heart and if present should be coded as a secondary diagnosis. Rarely, there is associated pulmonary outflow tract obstruction. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
DORV, Remote VSD (uncommitted VSD)	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In double outlet right ventricle, Remote VSD type, there is a remote or noncommitted VSD. The VSD is far removed from both the aortic and pulmonary valves, usually within the inlet septum. Many of these VSD's are in hearts with DORV and common atrioventricular canal/septal defect. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DORV is to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
DORV + AVSD (AV Canal)	Indicate if the patient has the diagnosis of "DORV + AVSD (AV Canal)". In the event of DORV occurring in association with AVSD (AV Canal), code "DORV + AVSD (AV Canal)", and then use additional (secondary) diagnostic codes to describe the DORV and

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		the AVSD (AV Canal) separately to provide further documentation about the DORV and AVSD (AV Canal) types. {"DORV" is "Double outlet right ventricle" and is defined as a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle.} In this case, the DORV exists in combination with an atrioventricular septal defect and common atrioventricular junction guarded by a common atrioventricular valve.
975	DORV, IVS	Double outlet right ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the right ventricle. In the rare case of double outlet right ventricle with IVS the ventricular septum is intact. In the nomenclature developed for DORV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connections with DORV are to be coded under congenitally corrected TGA. DORV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
980	DOLV	Double outlet left ventricle is a type of ventriculoarterial connection in which both great vessels arise entirely or predominantly from the left ventricle. In the nomenclature developed for DOLV, there must be usual atrial arrangements and concordant atrioventricular connections, and normal or near-normal sized ventricles. Discordant atrioventricular connection with DOLV is to be coded under congenitally corrected TGA. DOLV associated with univentricular atrioventricular connections, atrioventricular valve atresia, or atrial isomerism is to be coded under the appropriate single ventricle listing.
990	Coarctation of aorta	Indicate if the patient has the diagnosis of "Coarctation of aorta". A "Coarctation of the aorta" generally indicates a narrowing of the descending thoracic aorta just distal to the left subclavian artery. However, the term may also be accurately used to refer to a region of narrowing anywhere in the thoracic or abdominal aorta.
1000	Aortic arch hypoplasia	Hypoplasia of the aortic arch is hypoplasia of the proximal or distal transverse arch or the aortic isthmus. The isthmus (arch between the left subclavian and insertion of the patent ductus arteriosus / ligamentum arteriosum) is hypoplastic if its diameter is less than 40% of the diameter of the ascending aorta. The proximal transverse arch (arch between the innominate and left carotid arteries) and distal transverse arch (arch between the left carotid and left subclavian arteries) are hypoplastic if their diameters are less than 60% and 50%, respectively, of the diameter of the ascending

		aorta.
92	VSD + Aortic arch hypoplasia	A ventricular septal defect, any type, associated with hypoplasia of the aortic arch. (See diagnosis definition 1000 for a definition of hypoplasia of the aortic arch.)
94	VSD + Coarctation of aorta	Indicate if the patient has the diagnosis of "VSD + Coarctation of aorta". In the event of a VSD occurring in association with Coarctation of aorta, code "VSD + Coarctation of aorta", and then use additional (secondary) diagnostic codes to describe the VSD and the Coarctation of aorta separately to provide further documentation about the individual VSD and Coarctation of aorta types. {A "VSD" is a "Ventricular Septal Defect" and is also known as an "Interventricular communication". A VSD is defined as "a hole between the ventricular chambers or their remnants". (The VSD is defined on the basis of its margins as seen from the aspect of the morphologically right ventricle. In the setting of double outlet right ventricle, the defect provides the outflow from the morphologically left ventricle. In univentricular atrioventricular connections with functionally single left ventricle with an outflow chamber, the communication is referred to by some as a bulboventricular foramen.)} {A "Coarctation of the aorta" generally indicates a narrowing of the descending thoracic aorta just distal to the left subclavian artery. However, the term may also be accurately used to refer to a region of narrowing anywhere in the thoracic or abdominal aorta.}
1010	Coronary artery anomaly, Anomalous aortic origin of coronary artery from aorta (AAOCA)	Anomalous aortic origins of the coronary arteries include a spectrum of anatomic variations of the normal coronary artery origins. Coronary artery anomalies of aortic origin to be coded under this diagnostic field include: anomalies of take-off (high take-off), origin (sinus), branching, and number. An anomalous course of the coronary artery vessels is also significant, particularly those coronary arteries that arise or course between the great vessels.
1020	Coronary artery anomaly, Anomalous pulmonary origin (includes ALCAPA)	In patients with anomalous pulmonary origin of the coronary artery, the coronary artery (most commonly the left coronary artery) arises from the pulmonary artery rather than from the aorta. Rarely, the right coronary artery, the circumflex, or both coronary arteries may arise from the pulmonary artery.
1030	Coronary artery anomaly, Fistula	The most common of coronary artery anomalies, a coronary arteriovenous fistula is a communication between a coronary artery and either a chamber of the heart (coronary-cameral fistula) or any segment of the systemic or pulmonary circulation (coronary arteriovenous fistula). They may be congenital or acquired (traumatic, infectious, iatrogenic) in origin, and are mostly commonly seen singly, but occasionally

		multiple fistulas are present. Nomenclature schemes have been developed that further categorize the fistulas by vessel of origin and chamber of termination, and one angiographic classification scheme by Sakakibara has surgical implications. Coronary artery fistulas can be associated with other congenital heart anomalies such as tetralogy of Fallot, atrial septal defect, ventricular septal defect, and pulmonary atresia with intact ventricular septum, among others. The major cardiac defect should be listed as the primary diagnosis and the coronary artery fistula should be as an additional secondary diagnoses.
1040	Coronary artery anomaly, Aneurysm	Coronary artery aneurysms are defined as dilations of a coronary vessel 1.5 times the adjacent normal coronaries. There are two forms, saccular and fusiform (most common), and both may be single or multiple. These aneurysms may be congenital or acquired (atherosclerotic, Kawasaki, systemic diseases other than Kawasaki, iatrogenic, infectious, or traumatic) in origin.
1050	Coronary artery anomaly, Other	Coronary artery anomalies which may fall within this category include coronary artery bridging and coronary artery stenosis, as well as secondary coronary artery variations seen in congenital heart defects such as tetralogy of Fallot, transposition of the great arteries, and truncus arteriosus (with the exception of variations that can be addressed by a more specific coronary artery anomaly code).
1070	Interrupted aortic arch	Indicate if the patient has the diagnosis of "Interrupted aortic arch". Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.
2020	Interrupted aortic arch + VSD	Indicate if the patient has the diagnosis of "Interrupted aortic arch + VSD". In the event of interrupted aortic arch occurring in association with VSD, code " Interrupted aortic arch + VSD", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and the VSD separately to provide further documentation about the individual interrupted aortic arch and VSD types. {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to

the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries.} {A "VSD" is a "Ventricular Septal Defect" and is also known as an "Interventricular communication". A VSD is defined as "a hole between the ventricular chambers or their remnants". (The VSD is defined on the basis of its margins as seen from the aspect of the morphologically right ventricle. In the setting of double outlet right ventricle, the defect provides the outflow from the morphologically left ventricle. In univentricular atrioventricular connections with functionally single left ventricle with an outflow chamber, the communication is referred to by some as a bulboventricular foramen.)}

Indicate if the patient has the diagnosis of "Interrupted aortic arch + AP window (aortopulmonary window)". In the event of interrupted aortic arch occurring in association with AP window, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and the AP window separately to provide further documentation about the individual interrupted aortic arch and AP window types. {Interrupted aortic arch is defined as the loss of luminal continuity between the ascending and descending aorta. In most cases blood flow to the descending thoracic aorta is through a PDA, and there is a large VSD. Arch interruption is further defined by site of interruption. In type A, interruption is distal to the left subclavian artery; in type B interruption is between the left carotid and left subclavian arteries; and in type C interruption occurs between the innominate and left carotid arteries. } {An "AP window (aortopulmonary window)" is defined as a defect with side-to-side continuity of the lumens of the aorta and pulmonary arterial tree, which is distinguished from common arterial trunk (truncus arteriosus) by the presence of two arterial valves or their atretic remnants. (In other words, an aortopulmonary window is a communication between the main pulmonary artery and ascending aorta in the presence of two separate semilunar [pulmonary and aortic] valves. The presence of two separate semilunar valves distinguishes AP window from truncus arteriosus. Type 1 proximal defect: AP window located just above the sinus of Valsalva, a few millimeters above the semilunar valves, with a superior rim but little inferior rim separating the AP window from the semilunar valves. Type 2 distal defect: AP window located in the uppermost portion of the ascending aorta, with a well-formed inferior rim but little superior rim. Type 3 total defect: AP window involving the majority of the ascending aorta, with little

2000 Interrupted aortic arch + AP window (aortopulmonary window)

		superior and inferior rims. The intermediate type of AP window is similar to the total defect but with adequate superior and inferior rims. In the event of AP window occurring in association with interrupted aortic arch, code "Interrupted aortic arch + AP window (aortopulmonary window)", and then use additional (secondary) diagnostic codes to describe the interrupted aortic arch and AP window separately to provide further documentation about the individual interrupted arch and AP window types.)}
1080	Patent ductus arteriosus	Indicate if the patient has the diagnosis of "Patent ductus arteriosus". The ductus arteriosus (arterial duct) is an essential feature of fetal circulation, connecting the main pulmonary trunk with the descending aorta, distal to the origin of the left subclavian artery. In most patients it is on the left side. If a right aortic arch is present, it may be on the right or the left; very rarely it is bilateral. When luminal patency of the duct persists post-natally, it is referred to as patent ductus arteriosus (patent arterial duct). The length and diameter may vary considerably from case to case. The media of the ductus consists mainly of smooth muscle that is arranged spirally, and the intima is much thicker than that of the aorta. (A patent ductus arteriosus is a vascular arterial connection between the thoracic aorta and the pulmonary artery. Most commonly a PDA has its origin from the descending thoracic aorta, just distal and opposite the origin of the left subclavian artery. The insertion of the ductus is most commonly into the very proximal left pulmonary artery at its junction with the main pulmonary artery. Origination and insertion sites can be variable, however.)
1090	Vascular ring	The term vascular ring refers to a group of congenital vascular anomalies that encircle and comperss the esophagus and trachea. The compression may be from a complete anatomic ring (double aortic arch or right aortic arch with a left ligamentum) or from a compressive effect of an aberrant vessel (innominate artery compression syndrome).
1100	Pulmonary artery sling	In pulmonary artery sling, the left pulmonary artery originates from the right pulmonary artery and courses posteriorly between the trachea and esophagus in its route to the left lung hilum, causing a sling-like compression of the trachea.
1110	Aortic aneurysm (including pseudoaneurysm)	An aneurysm of the aorta is defined as a localized dilation or enlargement of the aorta at any site along its length (from aortic annulus to aortoiliac bifurcation). A true aortic aneurysm involves all layers of the aortic wall. A false aortic aneurysm (pseudoaneurysm) is defined as a dilated segment of the aorta not containing all layers of the aortic wall and may include postoperative or post-procedure false aneurysms at

		anastomotic sites, traumatic aortic injuries or transections, and infectious processes leading to a contained rupture.
1120	Aortic dissection	Aortic dissection is a separation of the layers of the aortic wall. Extension of the plane of the dissection may progress to free rupture into the pericardium, mediastinum, or pleural space if not contained by the outer layers of the media and adventitia. Dissections may be classified as acute or chronic (if they have been present for more than 14 days)
1130	Lung disease, Benign	Lung disease arising from any etiology (congenital or acquired) which does not result in death or lung or heart- lung transplant; examples might be non-life threatening asthma or emphysema, benign cysts.
1140	Lung disease, Malignant	Lung disease arising from any etiology (congenital or acquired, including pulmonary parenchymal disease, pulmonary vascular disease, congenital heart disease, neoplastm, etc.) which may result in death or lung or heart-lung transplant.
1150	Pectus	Pectus excavatum is a chest wall deformity in which the sternum is depressed. Pectus carinatum is a protrusion of the sternum.
1160	Tracheal stenosis	Tracheal stenosis is a reduction in the anatomic luminal diameter of the trachea by more than 50% of the remaining trachea. This stenosis may be congenital or acquired (as in post-intubation or traumatic tracheal stenosis).
1170	Airway disease	Included in this diagnostic category would be airway pathology not included under the definition of tracheal stenosis such as tracheomalacia, bronchotracheomalacia, tracheal right upper lobe, bronchomalacia, subglottic stenosis, bronchial stenosis, etc.
1430	Pleural disease, Benign	Benign diseases of the mediastinal or visceral pleura.
1440	Pleural disease, Malignant	Malignant diseases of the mediastinal or visceral pleura.
1450	Pneumothorax	A collection of air or gas in the pleural space.
1460	Pleural effusion	Abnormal accumulation of fluid in the pleural space.
1470	Chylothorax	The presence of lymphatic fluid in the pleural space secondary to a leak from the thoracic duct or its branches. Chylothorax is a specific type of pleural effusion.
1480	Empyema	A collection of purulent material in the pleural space, usually secondary to an infection.
1490	Esophageal disease, Benign	Any benign disease of the esophagus.
1500	Esophageal disease, Malignant	Any malignant disease of the esophagus.
1505	Mediastinal disease	Any disease of the mediastinum awaiting final benign/malignant pathology determination.

1510	Mediastinal disease, Benign	Any benign disease of the mediastinum.
1520	Mediastinal disease, Malignant	Any malignant disease of the mediastinum.
1540	Diaphragm paralysis	Paralysis of diaphragm, unilateral or bilateral.
1550	Diaphragm disease, Other	Any disease of the diaphragm other than paralysis.
1180	Arrhythmia	Any cardiac rhythm other than normal sinus rhythm.
2040	Arrhythmia, Atrial	Indicate if the patient has the diagnosis of "Arrhythmia, Atrial". "Arrhythmia, Atrial" ROOT Definition = Non-sinus atrial rhythm with or without atrioventricular conduction. [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 373.
2050	Arrhythmia, Junctional	Indicate if the patient has the diagnosis of "Arrhythmia, Junctional". "Arrhythmias arising from the atrioventricular junction; may be bradycardia, tachycardia, premature beats, or escape rhythm [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 379.
2060	Arrhythmia, Ventricular	Indicate if the patient has the diagnosis of "Arrhythmia, Ventricular". "Arrhythmia, Ventricular" ROOT Definition = Abnormal rhythm originating from the ventricles [1]. [1]. Jacobs JP. (Editor). 2008 Supplement to Cardiology in the Young: Databases and The Assessment of Complications associated with The Treatment of Patients with Congenital Cardiac Disease, Prepared by: The Multi-Societal Database Committee for Pediatric and Congenital Heart Disease, Cardiology in the Young, Volume 18, Supplement S2, pages 1 – 530, December 9, 2008, page 393.
1185	Arrhythmia, Heart block	Atrioventricular block may be congenital or acquired, and may be of varying degree (first, second, or third degree).
1190	Arrhythmia, Heart block, Acquired	Atrioventricular block, when acquired, may be post- surgical, or secondary to myocarditis or other etiologies; the block may be first, second or third degree.
1200	Arrhythmia, Heart block, Congenital	Atrioventricular block, when congenital, may be first, second or third degree block.
1220	Arrhythmia, Pacemaker,	Indications for pacemaker replacement may include end

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	Indication for replacement	of generator life, malfunction, or infection.
1230	Atrial Isomerism, Left	In isomerism, both appendages are of like morphology or structure; in left atrial isomerism both the right atrium and left atrium appear to be a left atrium structurally.
1240	Atrial Isomerism, Right	In isomerism, both appendages are of like morphology or structure; in right atrial isomerism both the right atrium and left atrium appear to be a right atrium structurally.
2090	Dextrocardia	<ul> <li>Indicate if the patient has the diagnosis of "Dextrocardia ". "Dextrocardia" is most usually considered synonymous with a right-sided ventricular mass, whilst ' 'dextroversion" is frequently defined as a configuration where the ventricular apex points to the right. In a patient with the usual atrial arrangement, or situs solitus, dextroversion, therefore, implies a turning to the right of the heart [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.</li> </ul>
2100	Levocardia	Indicate if the patient has the diagnosis of "Levocardia" . "Levocardia" usually considered synonymous with a left-sided ventricular mass, whilst "levoversion" is frequently defined as a configuration where the ventricular apex points to the left [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2110	Mesocardia	Indicate if the patient has the diagnosis of "Mesocardia" . "Mesocardia" is most usually considered synonymous with the ventricular mass occupying the midline [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW,

		Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
2120	Situs inversus	Indicate if the patient has the diagnosis of "Situs inversus" of the atrial chambers. The development of morphologically right-sided structures on one side of the body, and morphologically left-sided structures on the other side, is termed lateralization. Normal lateralization, the usual arrangement, is also known as " situs solitus". The mirror-imaged arrangement is also known as "situs inversus". The term "visceroatrial situs" is often used to refer to the situs of the viscera and atria when their situs is in agreement. The arrangement of the organs themselves, and the arrangement of the atrial chambers, is not always the same. Should such disharmony be encountered, the sidedness of the organs and atrial chambers must be separately specified [1]. [1]. Jacobs JP, Anderson RH, Weinberg P, Walters III HL, Tchervenkov CI, Del Duca D, Franklin RCG, Aiello VD, Béland MJ, Colan SD, Gaynor JW, Krogmann ON, Kurosawa H, Maruszewski B, Stellin G, Elliott MJ. The nomenclature, definition and classification of cardiac structures in the setting of heterotaxy. In 2007 Supplement to Cardiology in the Young: Controversies and Challenges Facing Paediatric Cardiovascular Practitioners and their Patients, Anderson RH, Jacobs JP, and Wernovsky G, editors. Cardiology in the Young, Volume 17, Supplement 2, pages 1–28, doi: 10.1017/S1047951107001138, September 2007.
1250	Aneurysm, Ventricular, Right (including pseudoaneurysm)	An aneurysm of the right ventricle is defined as a localized dilation or enlargement of the right ventricular wall.
1260	Aneurysm, Ventricular, Left (including pseudoaneurysm)	An aneurysm of the left ventricle is defined as a localized dilation or enlargement of the left ventricular wall.
1270	Aneurysm, Pulmonary artery	An aneurysm of the pulmonary artery is defined as a localized dilation or enlargement of the pulmonary artery trunk and its central branches (right and left pulmonary artery).
1280	Aneurysm, Other	A localized dilation or enlargement of a cardiac vessel or chamber not coded in specific fields available for aortic aneurysm, sinus of Valsalva aneurysm, coronary artery aneurysm, right ventricular aneurysm, left

		ventricular aneurysm, or pulmonary artery aneurysm.
1290	Hypoplastic RV	Small size of the right ventricle. This morphological abnormality usually is an integral part of other congenital cardiac anomalies and, therefore, frequently does not need to be coded separately. It should, however, be coded as secondary to an accompanying congenital cardiac anomaly if the right ventricular hypoplasia is not considered an integral and understood part of the primary congenital cardiac diagnosis. It would rarely be coded as a primary and/or isolated diagnosis.
1300	Hypoplastic LV	Small size of the left ventricle. This morphological abnormality usually is an integral part of other congenital cardiac anomalies and, therefore, frequently does not need to be coded separately. It should, however, be coded as secondary to an accompanying congenital cardiac anomaly if the left ventricular hypoplasia is not considered an integral and understood part of the primary congenital cardiac diagnosis. It would rarely be coded as a primary and/or isolated diagnosis.
2070	Postoperative bleeding	Indicate if the patient has the diagnosis of " Postoperative bleeding".
1310	Mediastinitis	Inflammation/infection of the mediastinum, the cavity between the lungs which holds the heart, great vessels, trachea, esophagus, thymus, and connective tissues. In the United States mediastinits occurs most commonly following chest surgery.
1320	Endocarditis	An infection of the endocardial surface of the heart, which may involve one or more heart valves (native or prosthetic) or septal defects or prosthetic patch material placed at previous surgery.
1325	Rheumatic heart disease	Heart disease, usually valvular (e.g., mitral or aortic), following an infection with group A streptococci
1330	Prosthetic valve failure	Indicate if the patient has the diagnosis of "Prosthetic valve failure". This diagnosis is the primary diagnosis to be entered for patients undergoing replacement of a previously placed valve (not conduit) prosthesis, whatever type (e.g., bioprosthetic, mechanical, etc.). Failure may be due to, among others, patient somatic growth, malfunction of the prosthesis, or calcification or overgrowth of the prosthesis (e.g., pannus formation). Secondary or fundamental diagnosis would relate to the underlying valve disease entity. As an example, a patient undergoing removal or replacement of a prosthetic pulmonary valve previously placed for pulmonary insufficiency after repair of tetralogy of Fallot would have as a primary diagnosis "Prosthetic valve failure", as a secondary diagnosis "Pulmonary insufficiency", and as a fundamental diagnosis " Tetralogy of Fallot".

1340	Myocardial infarction	A myocardial infarction is the development of myocardial necrosis caused by a critical imbalance between the oxygen supply and demand of the myocardium. While a myocardial infarction may be caused by any process that causes this imbalance it most commonly results from plaque rupture with thrombus formation in a coronary vessel, resulting in an acute reduction of blood supply to a portion of the myocardium. Myocardial infarction is a usual accompaniment of anomalous left coronary artery from the pulmonary artery (ALCAPA).
1350	Cardiac tumor	An abnormal growth of tissue in or on the heart, demonstrating partial or complete lack of structural organization, and no functional coordination with normal cardiac tissue. Commonly, a mass is recognized which is distinct from the normal structural components of the heart. A primary cardiac tumor is one that arises directly from tissues of the heart, (e.g., myxoma, fibroelastoma, rhabdomyoma, fibroma, lipoma, pheochromocytoma, teratoma, hemangioma, mesothesioloma, sarcoma). A secondary cardiac tumor is one that arises from tissues distant from the heart, with subsequent spread to the otherwise normal tissues of the heart, (e.g., renal cell tumor with caval extension from the kidney to the level of the heart or tumor with extension from other organs or areas of the body (hepatic, adrenal, uterine, infradiaphragmatic)). N.B., in the nomenclature system developed, cardiac thrombus and cardiac vegetation are categorized as primary cardiac tumors.
1360	Pulmonary AV fistula	An abnormal intrapulmonary connection (fistula) between an artery and vein that occurs in the blood vessels of the lungs. Pulmonary AV fistulas may be seen in association with congenital heart defects; the associated cardiac defect should be coded as well.
1370	Pulmonary embolism	A pulmonary embolus is a blockage of an artery in the lungs by fat, air, clumped tumor cells, or a blood clot.
1385	Pulmonary vascular obstructive disease	Pulmonary vascular obstructive disease (PVOD) other than those specifically defined elsewhere (Eisenmenger's pulmonary vascular obstructive disease, primary pulmonary hypertension, persistent fetal circulation). The spectrum includes PVOD arising from (1) pulmonary arterial hypertension or (2) pulmonary venous hypertension or (3) portal hypertension, or (4) collage vascular disease, or (5) drug or toxin induced, or (6) diseases of the respiratory system, or (7) chronic thromboembolic disease, among others.
1390	Pulmonary vascular obstructive disease (Eisenmenger's)	"Eisenmenger syndrome" could briefly be described as "Acquired severe pulmonary vascular disease associated with congenital heart disease (Eisenmenger)". Eisenmenger syndrome is an acquired condition. In

		Eisenmenger-type pulmonary vascular obstructive disease, long-term left-to-right shunting (e.g., through a ventricular or atrial septal defect, patent ductus arteriosus, aortopulmonary window) can lead to chronic pulmonary hypertension with resultant pathological changes in the pulmonary vessels. The vessels become thick-walled, stiff, noncompliant, and may be obstructed. In Eisenmenger syndrome, the long-term left-to-right shunting will reverse and become right to left. Please note that the specific heart defect should be coded as a secondary diagnosis.
1400	Primary pulmonary hypertension	Primary pulmonary hypertension is a rare disease characterized by elevated pulmonary artery hypertension with no apparent cause. Two forms are included in the nomenclature, a sporadic form and a familial form which can be linked to the BMPR-II gene.
1410	Persistent fetal circulation	Persistence of the blood flow pattern seen in fetal life, in which high pulmonary vascular resistance in the lungs results in decreased blood flow to the lungs. Normally, after birth pulmonary pressure falls with a fall in pulmonary vascular resistance and there is increased perfusion of the lungs. Persistent fetal circulation, also known as persistent pulmonary hypertension of the newborn, can be related to lung or diaphragm malformations or lung immaturity.
1420	Meconium aspiration	Aspiration of amniotic fluid stained with meconium before, during, or after birth can lead to pulmonary sequelae including (1) pneumothorax, (2) pneumomediastinum, (3) pneumopericardium, (4) lung infection, and (5) meconium aspiration syndrome (MAS) with persistent pulmonary hypertension.
1560	Cardiac, Other	Any cardiac diagnosis not specifically delineated in other diagnostic codes.
1570	Thoracic and/or mediastinal, Other	Any thoracic and/or mediastinal disease not specifically delineated in other diagnostic codes.
1580	Peripheral vascular, Other	Any peripheral vascular disease (congenital or acquired) or injury (from trauma or iatrogenic); vessels involved may include, but are not limited to femoral artery, femorial vein, iliac artery, brachial artery, etc.
7000	Normal heart	Normal heart.
7777	Miscellaneous, Other	Any disease (congenital or acquired) not specifically delineated in other diagnostic codes.
4010	Status post - PFO, Primary closure	Status post - Suture closure of patent foramen ovale (PFO).
4020	Status post - ASD repair, Primary closure	Status post - Suture closure of secundum (most frequently), coronary sinus, sinus venosus or common atrium ASD.
4030	Status post - ASD repair, Patch	Status post - Patch closure (using any type of patch material) of secundum, coronary sinus, or sinus venosus

		ASD.
4040	Status post - ASD repair, Device	Status post - Closure of any type ASD (including PFO) using a device.
6110	Status post - ASD repair, Patch + PAPVC repair	
4050	Status post - ASD, Common atrium (single atrium), Septation	Status post - Septation of common (single) atrium using any type patch material.
4060	Status post - ASD creation/enlargement	Status post - Creation of an atrial septal defect or enlargement of an existing atrial septal defect using a variety of modalities including balloon septostomy, blade septostomy, or surgical septectomy. Creation may be accomplished with or without use of cardiopulmonary bypass.
4070	Status post - ASD partial closure	Status post - Intentional partial closure of any type ASD (partial suture or fenestrated patch closure).
4080	Status post - Atrial septal fenestration	Status post - Creation of a fenestration (window) in the septum between the atrial chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the atrial septum.
4085	Status post - Atrial fenestration closure	Status post - Closure of previously created atrial fenestration using any method including device, primary suture, or patch.
4100	Status post - VSD repair, Primary closure	Status post - Suture closure of any type VSD.
4110	Status post - VSD repair, Patch	Status post - Patch closure (using any type of patch material) of any type VSD.
4120	Status post - VSD repair, Device	Status post - Closure of any type VSD using a device.
4130	Status post - VSD, Multiple, Repair	Status post - Closure of more than one VSD using any method or combination of methods. Further information regarding each type of VSD closed and method of closure can be provided by additionally listing specifics for each VSD closed. In the case of multiple VSDs in which only one is closed the procedure should be coded as closure of a single VSD. The fundamental diagnosis, in this case, would be " VSD, Multiple" and a secondary diagnosis can be the morphological type of VSD that was closed at the time of surgery.
4140	Status post - VSD creation/enlargement	Status post - Creation of a ventricular septal defect or enlargement of an existing ventricular septal defect.
4150	Status post - Ventricular septal fenestration	Status post - Creation of a fenestration (window) in the septum between the ventricular chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the ventricular septum.

4170	Status post - AVC (AVSD) repair, Complete (CAVSD)	Status post - Repair of complete AV canal (AVSD) using one- or two-patch or other technique, with or without mitral valve cleft repair.
4180	Status post - AVC (AVSD) repair, Intermediate (Transitional)	Status post - Repair of intermediate AV canal (AVSD) using ASD and VSD patch, or ASD patch and VSD suture, or other technique, with or without mitral valve cleft repair.
4190	Status post - AVC (AVSD) repair, Partial (Incomplete) (PAVSD)	Status post - Repair of partial AV canal defect (primum ASD), any technique, with or without repair of cleft mitral valve.
6300	Status post - Valvuloplasty, Common atrioventricular valve	
6250	Status post - Valvuloplasty converted to valve replacement in the same operation, Common atrioventricular valve	
6230	Status post - Valve replacement, Common atrioventricular valve	
4210	Status post - AP window repair	Status post - Repair of AP window using one- or two- patch technique with cardiopulmonary bypass; or, without cardiopulmonary bypass, using transcatheter device or surgical closure.
4220	Status post - Pulmonary artery origin from ascending aorta (hemitruncus) repair	Status post - Repair of pulmonary artery origin from the ascending aorta by direct reimplantation, autogenous flap, or conduit, with or without use of cardiopulmonary bypass.
4230	Status post - Truncus arteriosus repair	Status post - Truncus arteriosus repair that most frequently includes patch VSD closure and placement of a conduit from RV to PA. In some cases, a conduit is not placed but an RV to PA connection is made by direct association. Very rarely, there is no VSD to be closed. Truncal valve repair or replacement should be coded separately (Valvuloplasty, Truncal valve; Valve replacement, Truncal valve), as would be the case as well with associated arch anomalies requiring repair (e.g., Interrupted aortic arch repair).
4240	Status post - Valvuloplasty, Truncal valve	Status post - Truncal valve repair, any type.
6290	Status post - Valvuloplasty converted to valve replacement in the same operation, Truncal valve	
4250	Status post - Valve replacement, Truncal valve	Status post - Replacement of the truncal valve with a prosthetic valve.
6220	Status post - Truncus + Interrupted aortic arch repair	

	(IAA) repair	
4260	Status post - PAPVC repair	Status post - PAPVC repair revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed.
4270	Status post - PAPVC, Scimitar, Repair	Status post - In scimitar syndrome, PAPVC repair also revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed. Occasionally an ASD is created; this procedure also must be listed separately. Concomitant thoracic procedures (e.g., lobectomy, pneumonectomy) should also be included in the procedures listing.
6120	Status post - PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage)	
4280	Status post - TAPVC repair	Status post - Repair of TAPVC, any type. Issues surrounding TAPVC repair involve how the main pulmonary venous confluence anastomosis is fashioned, whether an associated ASD is closed or left open or enlarged (ASD closure and enlargement may be listed separately), and whether, particularly in mixed type TAPVC repair, an additional anomalous pulmonary vein is repaired surgically.
6200	Status post - TAPVC repair + Shunt - systemic-to- pulmonary	
4290	Status post - Cor triatriatum repair	Status post - Repair of cor triatriatum. Surgical decision making revolves around the approach to the membrane creating the cor triatriatum defect, how any associated ASD is closed, and how any associated anomalous pulmonary vein connection is addressed. Both ASD closure and anomalous pulmonary venous connection may be listed as separate procedures.
4300	Status post - Pulmonary venous stenosis repair	Status post - Repair of pulmonary venous stenosis, whether congenital or acquired. Repair can be accomplished with a variety of approaches: sutureless, patch venoplasty, stent placement, etc.
4310	Status post - Atrial baffle procedure (non-Mustard, non- Senning)	Status post - The atrial baffle procedure code is used primarily for repair of systemic venous anomalies, as in redirection of left superior vena cava drainage to the right atrium.
4330	Status post - Anomalous	Status post - With the exception of atrial baffle

	systemic venous connection repair	procedures (harvest code 310), anomalous systemic venous connection repair includes a range of surgical approaches, including, among others: ligation of anomalous vessels, reimplantation of anomalous vessels (with or without use of a conduit), or redirection of anomalous systemic venous flow through directly to the pulmonary circulation (bidirectional Glenn to redirect LSVC or RSVC to left or right pulmonary artery, respectively).
4340	Status post - Systemic venous stenosis repair	Status post - Stenosis or obstruction of a systemic vein (most commonly SVC or IVC) may be relieved with patch or conduit placement, excision of the stenotic area with primary reanastomosis or direct reimplantation.
4350	Status post - TOF repair, No ventriculotomy	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), without use of an incision in the infundibulum of the right ventricle for exposure. In most cases this would be a transatrial and transpulmonary artery approach to repair the VSD and relieve the pulmonary stenosis. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
4360	Status post - TOF repair, Ventriculotomy, Nontransanular patch	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision, but without placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
4370	Status post - TOF repair, Ventriculotomy, Transanular patch	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision and placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
4380	Status post - TOF repair, RV- PA conduit	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with placement of a right ventricle-to-pulmonary artery conduit. In this procedure the major components of pulmonary stenosis are relieved with placement of the RV-PA conduit.
4390	Status post - TOF - AVC (AVSD) repair	Status post - Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with repair of associated AV canal defect.

4400	Status post - TOF - Absent
	pulmonary valve repair

4420 Status post - Pulmonary atresia - VSD (including TOF, PA) repair

- 4430 Status post Pulmonary atresia - VSD - MAPCA (pseudotruncus) repair
- 4440 Status post Unifocalization MAPCA(s)
- 4450 Status post Occlusion MAPCA(s)
- 4460 Status post Valvuloplasty, Tricuspid

Repair of associated atrial septal defect or atrioventricular valve repair(s) should be listed as additional or secondary procedures under the primary TOF-AVC procedure.

Status post - Repair of tetralogy of Fallot with absent pulmonary valve complex. In most cases this repair will involve pulmonary valve replacement (pulmonary or aortic homograft, porcine, other) and reduction pulmonary artery arterioplasty.

Status post - For patients with pulmonary atresia with ventricular septal defect without MAPCAs, including those with tetralogy of Fallot with pulmonary atresia, repair may entail either a tetralogy-like repair with transannular patch placement, a VSD closure with placement of an RV-PA conduit, or an intraventricular tunnel VSD closure with transannular patch or RV-PA conduit placement. To assure an accurate count of repairs of pulmonary atresia-VSD without MAPCAs, even if a tetralogy-type repair or Rastelli-type repair is used, the pulmonary atresia-VSD code should be the code used, not Rastelli procedure or tetralogy of Fallot repair with transannular patch.

Status post - In the presence of MAPCAs, this code implies implies pulmonary unifocalization (multi- or single-stage), repair of VSD (may be intraventricular tunnel or flat patch VSD closure), and placement of an RV-PA conduit.

Status post - Anastomosis of aortopulmonary collateral arteries into the left, right, or main pulmonary artery or into a tube graft or other type of confluence. The unifocalization procedure may be done on or off bypass.

Status post - Occlusion, or closing off, of MAPCAs. This may be done with a transcatheter occluding device, usually a coil, or by surgical techniques.

Status post - Reconstruction of the tricuspid valve may include but not be limited to a wide range of techniques including: leaflet patch extension, artificial chordae placement, papillary muscle transplocation with or without detachment. Annuloplasty techniques that may be done solely or in combination with leaflet, chordae or muscle repair to achieve a competent valve include: eccentric annuloplasty, Kay annular plication, pursestring annuloplasty (including semicircular annuloplasty), sliding annuloplasty, and annuloplasty with ring placement. Do not use this code if tricuspid valve malfunction is secondary to Ebstein's anomaly; instead use the Ebstein's repair procedure code.

6280 Status post - Valvuloplasty converted to valve replacement in the same operation, Tricuspid

4465	Status post - Ebstein's repair	Status post - To assure an accurate count of repairs of Ebstein's anomaly of the tricuspid valve, this procedure code was included. Repair of Ebstein's anomaly may include, among other techniques, repositioning of the tricuspid valve, plication of the atrialized right ventricle, or right reduction atrioplasty. Often associated ASD's may be closed and arrhythmias addressed with surgical ablation procedures. These procedures should be entered as separate procedure codes.
4470	Status post - Valve replacement, Tricuspid (TVR)	Status post - Replacement of the tricuspid valve with a prosthetic valve.
4480	Status post - Valve closure, Tricuspid (exclusion, univentricular approach)	Status post - In a functional single ventricle heart, the tricuspid valve may be closed using a patch, thereby excluding the RV. Tricuspid valve closure may be used for infants with Ebstein's anomaly and severe tricuspid regurgitation or in patients with pulmonary atresia-intact ventricular septum with sinusoids.
4490	Status post - Valve excision, Tricuspid (without replacement)	Status post - Excision of the tricuspid valve without placement of a valve prosthesis.
4500	Status post - Valve surgery, Other, Tricuspid	Status post - Other tricuspid valve surgery not specified in procedure codes.
4510	Status post - RVOT procedure	Status post - Included in this procedural code would be all RVOT procedures not elsewhere specified in the nomenclature system. These might be, among others: resection of subvalvar pulmonary stenosis (not DCRV type; may be localized fibrous diaphragm or high infundibular stenosis), right ventricular patch augmentation, or reduction pulmonary artery arterioplasty.
4520	Status post - 1 1/2 ventricular repair	Status post - Partial biventricular repair; includes intracardiac repair with bidirectional cavopulmonary anastomosis to volume unload a small ventricle or poorly functioning ventricle.
4530	Status post - PA, reconstruction (plasty), Main (trunk)	Status post - Reconstruction of the main pulmonary artery trunk commonly using patch material. If balloon angioplasty is performed or a stent is placed in the main pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If MPA reconstruction is performed with PA debanding, both codes should be listed.
4540	Status post - PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation)	Status post - Reconstruction of the right or left branch (or both right and left) pulmonary arteries (within the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If, rarely, branch PA banding (single or bilateral) was performed in the past and reconstruction is performed associated

		with debanding, both codes should be listed.
4550	Status post - PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation)	Status post - Reconstruction of the peripheral right or left branch (or both right and left) pulmonary arteries (at or beyond the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) peripheral pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code.
4570	Status post - DCRV repair	Status post - Surgical repair of DCRV combines relief of the low infundibular stenosis (via muscle resection) and closure of a VSD when present. A ventriculotomy may be required and is repaired by patch enlargement of the infundibulum. VSD closure and patch enlargement of the infundibulum, if done, should be listed as separate procedure codes.
4590	Status post - Valvuloplasty, Pulmonic	Status post - Valvuloplasty of the pulmonic valve may include a range of techniques including but not limited to: valvotomy with or without bypass, commissurotomy, and valvuloplasty.
6270	Status post - Valvuloplasty converted to valve replacement in the same operation, Pulmonic	
4600	Status post - Valve replacement, Pulmonic (PVR)	Status post - Replacement of the pulmonic valve with a prosthetic valve. Care must be taken to differentiate between homograft pulmonic valve replacement and placement of a homograft RV-PA conduit.
4630	Status post - Valve excision, Pulmonary (without replacement)	Status post - Excision of the pulmonary valve without placement of a valve prosthesis.
4640	Status post - Valve closure, Semilunar	Status post - Closure of a semilunar valve (pulmonic or aortic) by any technique.
4650	Status post - Valve surgery, Other, Pulmonic	Status post - Other pulmonic valve surgery not specified in procedure codes.
4610	Status post - Conduit placement, RV to PA	Status post - Placement of a conduit, any type, from RV to PA.
4620	Status post - Conduit placement, LV to PA	Status post - Placement of a conduit, any type, from LV to PA.
5774	Status post - Conduit placement, Ventricle to aorta	Status post - Placement of a conduit from the right or left ventricle to the aorta.
5772	Status post - Conduit placement, Other	Status post - Placement of a conduit from any chamber or vessel to any vessel, valved or valveless, not listed elsewhere.
4580	Status post - Conduit reoperation	Status post - Conduit reoperation is the code to be used in the event of conduit failure, in whatever position (LV to aorta, LV to PA, RA to RV, RV to aorta, RV to PA, etc.), and from whatever cause (somatic growth,

4660	Status post - Valvuloplasty, Aortic	Status post - Valvuloplasty of the aortic valve for stenosis and/or insufficiency including, but not limited to the following techniques: valvotomy (open or closed), commissurotomy, aortic valve suspension, leaflet (left, right or noncoronary) partial resection, reduction, or leaflet shaving, extended valvuloplasty (freeing of leaflets, commissurotomy, and extension of leaflets using autologous or bovine pericardium), or annuloplasty (partial - interrupted or noncircumferential sutures, or complete - circumferential sutures).
6240	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic	
6310	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure	
6320	Status post - Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross- Konno procedure	
4670	Status post - Valve replacement, Aortic (AVR)	Status post - Replacement of the aortic valve with a prosthetic valve (mechanical, bioprosthetic, or homograft). Use this code only if type of valve prosthesis is unknown or does not fit into the specific valve replacement codes available. Autograft valve replacement should be coded as a Ross procedure.
4680	Status post - Valve replacement, Aortic (AVR), Mechanical	Status post - Replacement of the aortic valve with a mechanical prosthetic valve.
4690	Status post - Valve replacement, Aortic (AVR), Bioprosthetic	Status post - Replacement of the aortic valve with a bioprosthetic prosthetic valve.
4700	Status post - Valve replacement, Aortic (AVR), Homograft	Status post - Replacement of the aortic valve with a homograft prosthetic valve.
4715	Status post - Aortic root replacement, Bioprosthetic	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a bioprosthesis (e.g., porcine) in a conduit, often composite.
4720	Status post - Aortic root replacement, Mechanical	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a mechnical prosthesis in a composite conduit.
4730	Status post - Aortic root	Status post - Replacement of the aortic root (that portion

stenosis, insufficiency, infection, etc).

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	replacement, Homograft	of the aorta attached to the heart; it gives rise to the coronary arteries) with a homograft.
4735	Status post - Aortic root replacement, Valve sparing	Status post - Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) without replacing the aortic valve (using a tube graft).
4740	Status post - Ross procedure	Status post - Replacement of the aortic valve with a pulmonary autograft and replacement of the pulmonary valve with a homograft conduit.
4750	Status post - Konno procedure	Status post - Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty. Components of the surgery include a longitudinal incision in the aortic septum, a vertical incision in the outflow tract of the right ventricle to join the septal incision, aortic valve replacement, and patch reconstruction of the outflow tracts of both ventricles.
4760	Status post - Ross-Konno procedure	Status post - Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty using a pulmonary autograft root for the aortic root replacement.
4770	Status post - Other annular enlargement procedure	Status post - Techniques included under this procedure code include those designed to effect aortic annular enlargement that are not included in other procedure codes. These include the Manougian and Nicks aortic annular enlargement procedures.
4780	Status post - Aortic stenosis, Subvalvar, Repair	Status post - Subvalvar aortic stenosis repair by a range of techniques including excision, excision and myotomy, excision and myomectomy, myotomy, myomectomy, initial placement of apical-aortic conduit (LV to aorta conduit replacement would be coded as conduit reoperation), Vouhé aortoventriculoplasty (aortic annular incision at commissure of left and right coronary cusps is carried down to the septum and RV infundibulum; septal muscle is resected, incisions are closed, and the aortic annulus is reconstituted), or other aortoventriculoplasty techniques.
6100	Status post - Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS	
4790	Status post - Aortic stenosis, Supravalvar, Repair	Status post - Repair of supravalvar aortic stenosis involving all techniques of patch aortoplasty and aortoplasty involving the use of all autologous tissue. In simple patch aortoplasty a diamond-shaped patch may be used, in the Doty technique an extended patch is placed (Y-shaped patch, incision carried into two sinuses), and in the Brom repair the ascending aorta is transacted any fibrous ridge is responsed, and the three

transected, any fibrous ridge is resected, and the three

		sinuses are patched separately.
4800	Status post - Valve surgery, Other, Aortic	Status post - Other aortic valve surgery not specified in other procedure codes.
4810	Status post - Sinus of Valsalva, Aneurysm repair	Status post - Sinus of Valsalva aneurysm repair can be organized by site of aneurysm (left, right or noncoronary sinus), type of repair (suture, patch graft, or root repair by tube graft or valved conduit), and approach used (from chamber of origin (aorta) or from chamber of penetration (LV, RV, PA, left or right atrium, etc.). Aortic root replacement procedures in association with sinus of Valsalva aneurysm repairs are usually for associated uncorrectable aortic insufficiency or multiple sinus involvement and the aortic root replacement procedure should also be listed. Additional procedures also performed at the time of sinus of Valsalva aneurysm repair include but are not limited to VSD closure, repair or replacement of aortic valve, and coronary reconstruction; these procedures should also be coded separately from the sinus of Valsalva aneurysm repair.
4820	Status post - LV to aorta tunnel repair	Status post - LV to aorta tunnel repair can be accomplished by suture, patch, or both, and may require reimplantation of the right coronary artery. Associated coronary artery procedures should be coded separately from the LV to aorta tunnel repair.
4830	Status post - Valvuloplasty, Mitral	Status post - Repair of mitral valve including, but not limited to: valvotomy (closed or open heart), cleft repair, annuloplasty with or without ring, chordal reconstruction, commissuorotomy, leaflet repair, or papillary muscle repair.
6260	Status post - Valvuloplasty converted to valve replacement in the same operation, Mitral	
4840	Status post - Mitral stenosis, Supravalvar mitral ring repair	Status post - Supravalvar mitral ring repair.
4850	Status post - Valve replacement, Mitral (MVR)	Status post - Replacement of mitral valve with prosthetic valve, any kind, in suprannular or annular position.
4860	Status post - Valve surgery, Other, Mitral	Status post - Other mitral valve surgery not specified in procedure codes.
4870	Status post - Norwood procedure	Status post - The Norwood operation is synonymous with the term 'Norwood (Stage 1)' and is defined as an aortopulmonary connection and neoaortic arch construction resulting in univentricular physiology and pulmonary blood flow controlled with a calibrated systemic-to-pulmonary artery shunt, or a right ventricle to pulmonary artery conduit, or rarely, a cavopulmonary connection. When coding the procedure "Norwood procedure", the

		<ul> <li>primary procedure of the operation should be "Norwood procedure". The second procedure (Procedure 2 after the Norwood procedure) must then document the source of pulmonary blood flow and be chosen from the following eight choices:</li> <li>1. Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)</li> <li>2. Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)</li> <li>3. Shunt, Systemic to pulmonary, Other</li> <li>4. Conduit placement, RV to PA</li> <li>5. Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)</li> <li>6. Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)</li> <li>7. Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)</li> </ul>
4880	Status post - HLHS biventricular repair	8. HemiFontan Status post - Performed in patients who have small but adequately sized ventricles to support systemic circulation. These patients usually have small, but not stenotic, aortic and/or mitral valves. Primary biventricular repair has consisted of extensive aortic arch and ascending aorta enlargement with a patch, closure of interventricular and interatrial communications, and conservative approach for left ventricular outflow tract obstruction (which may include mitral stenosis at any level, subaortic stenosis, aortic stenosis, aortic arch hypoplasia, coarctation, or interrupted aortic arch). Concurrent operations (e.g., coarctation repair, aortic valve repair or replacement, etc.) can be coded separately within the database.
6160	Status post - Hybrid Approach "Stage 1", Application of RPA & LPA bands	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
6170	Status post - Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA)	Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".

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6180	Status post - Hybrid	Status post - A "Hybrid Procedure" is defined as a
	Approach "Stage 1", Stent	procedure that combines surgical and transcatheter
	placement in arterial duct	interventional approaches. The term "Hybrid approach"
	(PDA) + application of RPA	is used somewhat differently than the term "Hybrid
	& LPA bands	Procedure". A "Hybrid approach" is defined as any of a
		group of procedures that fit into the general silo of
		procedures developed from the combined use of
		surgical and transcatheter interventional techniques.

6140 Status post - Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)

Status post - Hybrid approach 6150 "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair

1590 Status post - Transplant, Heart

Status post - Transplant,

Status post - Partial left

ventriculectomy (LV volume

reduction surgery) (Batista)

Heart and lung

Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".

Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.

Status post - A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure". A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.

Status post - Heart transplantation, any technique, allograft or xenograft.

Status post - Heart and lung (single or double) transplantation.

Status post - Wedge resection of LV muscle, with suturing of cut edges together, to reduce LV volume.

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4920	Status post - Pericardial drainage procedure	Status post - Pericardial drainage can include a range of therapies including, but not limited to: pericardiocentesis, pericardiostomy tube placement, pericardial window creation, and open pericardial drainage (pericardiotomy).
4930	Status post - Pericardiectomy	Status post - Surgical removal of the pericardium.
4940	Status post - Pericardial procedure, Other	Status post - Other pericardial procedures that include, but are not limited to: pericardial reconstruction for congenital absence of the pericardium, pericardial biopsy, pericardial mass or cyst excision.
4950	Status post - Fontan, Atrio- pulmonary connection	Status post - Fontan-type procedure with atrio- pulmonary connection.
4960	Status post - Fontan, Atrio- ventricular connection	Status post - Fontan-type procedure with atrio- ventricular connection, either direct or with RA-RV conduit, valved or nonvalved.
4970	Status post - Fontan, TCPC, Lateral tunnel, Fenestrated	Status post - Total cavopulmonary connection using an intraatrial lateral tunnel construction, with fenestration.
4980	Status post - Fontan, TCPC, Lateral tunnel, Nonfenestrated	Status post - Total cavopulmonary connection using an intraatrial lateral tunnel construction, with no fenestration.
5000	Status post - Fontan, TCPC, External conduit, Fenestrated	Status post - Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with fenestration.
5010	Status post - Fontan, TCPC, External conduit, Nonfenestrated	Status post - Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with no fenestration.
5025	Status post - Fontan revision or conversion (Re-do Fontan)	Status post - Revision of a previous Fontan procedure to a total cavopulmonary connection.
5030	Status post - Fontan, Other	Status post - Other Fontan procedure not specified in procedure codes. May include takedown of a Fontan procedure.
6340	Status post - Fontan + Atrioventricular valvuloplasty	
5035	Status post - Ventricular septation	Status post - Creation of a prosthetic ventricular septum. Surgical procedure used to septate univentricular hearts with two atrioventricular valves. Additional procedures, such as resection of subpulmonic stenosis, should be listed separately.
5050	Status post - Congenitally corrected TGA repair, Atrial switch and ASO (double switch)	Status post - Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and arterial switch operation. VSD closure is usually performed as well; this should be coded separately.
5060	Status post - Congenitally corrected TGA repair, Atrial switch and Rastelli	Status post - Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and VSD closure to the aortic valve with placement of an RV-to-PA conduit.

5070	Status post - Congenitally corrected TGA repair, VSD closure	Status post - Repair of congenitally corrected TGA by VSD closure only.
5080	Status post - Congenitally corrected TGA repair, VSD closure and LV to PA conduit	Status post - Repair of congenitally corrected TGA by VSD closure and placement of an LV-to-PA conduit.
5090	Status post - Congenitally corrected TGA repair, Other	Status post - Any procedures for correction of CCTGA not otherwised specified in other listed procedure codes.
5110	Status post - Arterial switch operation (ASO)	Status post - Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished.
5120	Status post - Arterial switch operation (ASO) and VSD repair	Status post - Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished. The VSD is closed, usually with a patch.
5123	Status post - Arterial switch procedure + Aortic arch repair	Status post - Concomitant arterial switch operation and repair of the aortic arch in patients with transposition of the great arteries with intact ventricular septum and associated coarctation of the aorta or interrupted aortic arch.
5125	Status post - Arterial switch procedure and VSD repair + Aortic arch repair	Status post - Concomitant arterial switch operation with VSD closure and repair of aortic arch in patients with transposition of the great arteries with VSD and associated coarctation of the aorta or interrupted aortic arch.
5130	Status post - Senning	Status post - Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while the pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Senning procedure uses atrial wall to construct the baffle.
5140	Status post - Mustard	Status post - Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Mustard procedure uses patch material to construct the baffle.
5145	Status post - Atrial baffle procedure, Mustard or Senning revision	Status post - Revision of a previous atrial baffle procedure (either Mustard or Senning), for any reason (e.g., obstruction, baffle leak).

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5150	) Status post - Rastelli	Status post - Most often used for patients with TGA- VSD and significant LVOTO, the Rastelli operation consists of an LV-to-aorta intraventricular baffle closure of the VSD and placement of an RV-to-PA conduit.
5160	) Status post - REV	Status post - The Lecompte (REV) intraventricular repair is designed for patients with abnormalities of ventriculoarterial connection in whom a standard intraventricular tunnel repair cannot be performed. It is also suitable for patients in whom an arterial switch procedure with tunneling of the VSD to the pulmonary artery cannot be performed because of pulmonary (left ventricular outflow tract) stenosis. A right ventriculotomy incision is made. The infundibular (conal) septum, located between the two semilunar valves, is aggressively resected if its presence interferes with the construction of a tunnel from the VSD to the aorta. The VSD is then tunneled to the aorta. The decision to perform or not to perform the Lecompte maneuver should be made at the beginning of the operation. If the Lecompte maneuver is not performed the pulmonary artery is translocated to the right ventricular outflow tract on the side of the aorta that provides the shortest route. (When the decision to perform the Lecompte maneuver has been made, the great vessels are transected and this maneuver is performed at the beginning of the operation.) The pulmonary artery orifice is then closed. The aorta, if it had been transected during the performance of the Lecompte maneuver, is then reconstructed. A vertical incision is made on the anterior aspect of the main pulmonary artery. The posterior margin of the pulmonary artery is sutured to the superior aspect of the vertical right ventriculotomy incision. A generous patch of autologous pericardium is used to close the inferior portion of the right ventriculotomy and the anterior portion of the pulmonary artery. A monocusp pericardial valve is inserted extemporaneously.
		pericardial valve is inserted extemporaneously.
6190	) Status post - Aortic root translocation over left ventricle (Including Nikaidoh procedure)	
6210	<ul> <li>Status post - TGA, Other procedures (Kawashima, LV- PA conduit, other)</li> </ul>	
5180	) Status post - DORV, Intraventricular tunnel repair	Status post - Repair of DORV using a tunnel closure of the VSD to the aortic valve. This also includes the posterior straight tunnel repair of Kawashima
5200	) Status post - DOLV repair	Status post - Because of the morphologic variability of DOLV, there are many approaches to repair, including: intraventricular tunnel repair directing the VSD to the pulmonary valve, the REV procedure, or the Rastelli

		procedure. In the case of DOLV use this code for tunnel closure to the pulmonary valve. If the REV or Rastelli procedures are performed then use those respective codes.
5210	Status post - Coarctation repair, End to end	Status post - Repair of coarctation of aorta by excision of the coarctation segment and end-to-end circumferential anastomosis of the aorta.
5220	Status post - Coarctation repair, End to end, Extended	Status post - Repair of coarctation of the aorta by excision of the coarctation segment and end-to-end anastomosis of the oblique ends of the aorta, creating an extended anastomosis.
5230	Status post - Coarctation repair, Subclavian flap	Status post - Repair of coarctation of the aorta by ligating, dividing, and opening the subclavian artery, incising the coarctation site, and folding down the subclavian artery onto the incision in the aorta, suturing the subclavian "flap" in place, creating a roof over the area of the previous coarctation.
5240	Status post - Coarctation repair, Patch aortoplasty	Status post - Repair of coarctation of the aorta by incising the coarctation site with placement of a patch sutured in place longitudinally along the aortotomy edge.
5250	Status post - Coarctation repair, Interposition graft	Status post - Repair of coarctation of the aorta by resection of the coarctation segment and placement of a prosthetic tubular interposition graft anastomosed circumferentially to the cut ends of the aorta.
5260	Status post - Coarctation repair, Other	Status post - Any repair of coarctation not specified in procedure codes. This may include, for example, a combination of two approaches for coarctation repair or extra-anatomic bypass graft, etc.
5275	Status post - Coarctation repair + VSD repair	Status post - Coarctation of aorta repair, any technique, and simultaneous VSD repair, any type VSD, any type repair.
5280	Status post - Aortic arch repair	Status post - Aortic arch repair, any technique.
5285	Status post - Aortic arch repair + VSD repair	Status post - Aortic arch repair, any technique, and simultaneous VSD repair, any type VSD, any type repair. This includes repair of IAA with VSD.
5290	Status post - Coronary artery fistula ligation	Status post - Coronary artery fistula repair using any technique. If additional technique information may be supplied by another procedure code, please list separately (e.g., bypass graft).
5291	Status post - Anomalous origin of coronary artery from pulmonary artery repair	Status post - Repair of anomalous origin of the coronary artery (any) from the pulmonary artery, by any technique (ligation, translocation with aortic implantation, Takeuchi operation, bypass graft). If additional technique information may be supplied by another procedure code, please list separately (for example, bypass graft).
5300	Status post - Coronary artery bypass	Status post - Coronary artery bypass graft procedure, any technique (with or without CPB, venous or arterial graft, one or more grafts, etc.), for any coronary artery

		pathology (coronary arterial fistula, aneurysm, coronary bridging, atresia of left main, acquired coronary artery disease, etc.).
5305	Status post - Anomalous aortic origin of coronary artery from aorta (AAOCA) repair	
5310	Status post - Coronary artery procedure, Other	Status post - Any coronary artery procedure not specifically listed.
5320	Status post - Interrupted aortic arch repair	Status post - Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.
5330	Status post - PDA closure, Surgical	Status post - Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).
5340	Status post - PDA closure, Device	Status post - Closure of a PDA by device using transcatheter techniques.
5360	Status post - Vascular ring repair	Status post - Repair of vascular ring (any type, except pulmonary artery sling) by any technique.
5365	Status post - Aortopexy	Status post - Surgical fixation of the aorta to another structure (usually the posterior aspect of the sternum) to relieve compression on another vessel or structure (e.g., trachea).
5370	Status post - Pulmonary artery sling repair	Status post - Pulmonary artery sling repair by any technique.
5380	Status post - Aortic aneurysm repair	Status post - Aortic aneurysm repair by any technique.
5390	Status post - Aortic dissection repair	Status post - Aortic dissection repair by any technique.
5400	Status post - Lung biopsy	Status post - Lung biopsy, any technique.
1600	Status post - Transplant, Lung(s)	Status post - Lung or lobe transplantation of any type.
5420	Status post - Lung procedure, Other	Status post - Included in this procedure code would be any lung procedure other than transplant, such as, but not limited to: pneumonectomy (left or right), lobectomy (any lobe), bilobectomy (two lobes), segmental lung resection (any segment), or wedge resection.
5430	Status post - Pectus repair	Status post - Repair of pectus excavatum or carinatum by any technique.
5440	Status post - Tracheal procedure	Status post - Any tracheal procedure, including but not limited to relief of tracheal stenosis (any means including pericardial graft, autograft insertion, homograft insertion, resection with reanastomosis, rib cartilage insertion, or slide tracheoplasty). Tracheal stent placement or balloon dilation should be coded separately.

5450	Status post - Pacemaker implantation, Permanent	Status post - Implantation of a permanent pacemaker of any type (e.g., single-chamber, dual-chamber, atrial antitachycardia), with any lead configuration or type (atrial, ventricular, atrial and ventricular, transvenous, epicardial, transmural), by any technique (sternotomy, thoracotomy etc).
5460	Status post - Pacemaker procedure	Status post - Any revision to a previously placed pacemaker system including revisions to leads, generators, pacemaker pockets. This may include explantation of pacemakers or leads as well.
6350	Status post - Explantation of pacing system	
5470	Status post - ICD (AICD) implantation	Status post - Implantation of an (automatic) implantable cardioverter defibrillator system.
5480	Status post - ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure	Status post - Any revision to a previously placed AICD including revisions to leads, pads, generators, pockets. This may include explantation procedures as well.
5490	Status post - Arrhythmia surgery - atrial, Surgical Ablation	Status post - Surgical ablation (any type) of any atrial arrhythmia.
5500	Status post - Arrhythmia surgery - ventricular, Surgical Ablation	Status post - Surgical ablation (any type) of any ventricular arrhythmia.
6500	Status post - Cardiovascular catheterization procedure, Diagnostic	
6520	Status post - Cardiovascular catheterization procedure, Diagnostic, Angiographic data obtained	
6550	Status post - Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration	
6540	Status post - Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration	
6510	Status post - Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained	
6530	Status post - Cardiovascular catheterization procedure, Diagnostic, Transluminal test occlusion	

6410 Status post - Cardiovascular

catheterization procedure, Therapeutic

- 6670 Status post Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy
- 6570 Status post Cardiovascular catheterization procedure, Therapeutic, Balloon dilation
- 6590 Status post Cardiovascular catheterization procedure, Therapeutic, Balloon valvotomy
- 6600 Status post Cardiovascular catheterization procedure, Therapeutic, Coil implantation
- 6610 Status post Cardiovascular catheterization procedure, Therapeutic, Device implantation
- 6640 Status post Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication)
- 6580 Status post Cardiovascular catheterization procedure, Therapeutic, Septostomy
- 6620 Status post Cardiovascular catheterization procedure, Therapeutic, Stent insertion
- 6630 Status post Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation
- 6650 Status post Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion
- 6660 Status post Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve
- 6680 Status post Cardiovascular electrophysiological catheterization procedure
- 6690 Status post Cardiovascular electrophysiological

	catheterization procedure, Therapeutic ablation	
5590	Status post - Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)	Status post - Placement of a tube graft from a branch of the aortic arch to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).
5600	Status post - Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)	Status post - A direct anastomosis or placement of a tube graft from the aorta to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).
5610	Status post - Shunt, Systemic to pulmonary, Other	Status post - Placement of any other systemic-to- pulmonary artery shunt, with or without bypass, from any approach (thoracotomy, sternotomy) that is not otherwise coded. Includes classic Blalock-Taussig systemic-to-pulmonary artery shunt.
5630	Status post - Shunt, Ligation and takedown	Status post - Takedown of any shunt.
6095	Status post - Shunt, Reoperation	
5640	Status post - PA banding (PAB)	Status post - Placement of a pulmonary artery band, any type.
5650	Status post - PA debanding	Status post - Debanding of pulmonary artery. Please list separately any pulmonary artery reconstruction required.
5660	Status post - Damus-Kaye- Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction)	Status post - In the Damus-Kaye-Stansel procedure the proximal transected main pulmonary artery is connected by varying techniques to the aorta.
5670	Status post - Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)	Status post - Superior vena cava to pulmonary artery anastomosis allowing flow to both pulmonary arteries with an end-to-side superior vena-to-pulmonary artery anastomosis.
5680	Status post - Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)	Status post - Superior vena cava to ipsilateral pulmonary artery anastomosis (i.e., LSVC to LPA, RSVC to RPA).
5690	Status post - Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)	Status post - Bilateral superior vena cava-to-pulmonary artery anastomoses (requires bilateral SVCs).
5700	Status post - HemiFontan	Status post - A HemiFontan is an operation that includes a bidirectional superior vena cava (SVC)-to-pulmonary artery anastomosis and the connection of this "SVC- pulmonary artery amalgamation" to the atrium, with a " dam" between this "SVC-pulmonary artery amalgamation" and the atrium. This operation can be

accomplished with a variety of operative strategies including the following two techniques and other techniques that combine elements of both of these approaches: (1) Augmenting both branch pulmonary arteries with a patch and suturing the augmented branch pulmonary arteries to an incision in the medial aspect of the superior vena cava. (With this approach, the pulmonary artery patch forms a roof over the SVC-topulmonary artery anastomosis and also forms a "dam" between the SVC-pulmonary artery amalgamation and the right atrium.) (2) Anastomosing both ends of the divided SVC to incisions in the top and bottom of the right pulmonary artery, and using a separate patch to close junction of the SVC and the right atrium.

6330 Status post - Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty 6130 Status post - Superior Cavopulmonary anastomosis(es) + PA reconstruction 5710 Status post - Palliation, Other Status post - Any other palliative procedure not specifically listed. Status post - ECMO 6360 cannulation 6370 Status post - ECMO decannulation 5910 Status post - ECMO procedure Status post - Any ECMO procedure (cannulation, decannulation, etc.). 5900 Status post - Intraaortic Status post - Insertion of intraaortic balloon pump by balloon pump (IABP) any technique. insertion 5920 Status post - Right/left heart Status post - Any right, left, or biventricular assist assist device procedure device procedure (placement, removal etc.). 6390 Status post - VAD explantation 6380 Status post - VAD implantation 6420 Status post -Echocardiography procedure, Sedated transesophageal echocardiogram 6430 Status post -Echocardiography procedure, Sedated transthoracic echocardiogram 6435 Status post - Noncardiovascular, Non-thoracic

procedure on cardiac patient with cardiac anesthesia

- 6440 Status post Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan)
- 6450 Status post Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI)
- 6460 Status post Radiology procedure on cardiac patient, Diagnostic radiology
- 6470 Status post Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient
- 6480 Status post Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient
- 6490 Status post Interventional radiology procedure on cardiac patient
- 5720 Status post Aneurysm, Ventricular, Right, Repair
- 5730 Status post Aneurysm, Ventricular, Left, Repair
- 5740 Status post Aneurysm, Pulmonary artery, Repair
- 5760 Status post Cardiac tumor resection
- 5780 Status post Pulmonary AV fistula repair/occlusion
- 5790 Status post Ligation, Pulmonary artery
- 5802 Status post Pulmonary embolectomy, Acute pulmonary embolus
- 5804 Status post Pulmonary embolectomy, Chronic pulmonary embolus
- 5810 Status post Pleural drainage procedure
- 5820 Status post Pleural procedure, Other

Status post - Repair of right ventricular aneurysm, any technique.

Status post - Repair of left ventricular aneurysm, any technique.

Status post - Repair of pulmonary artery aneurysm, any technique.

Status post - Resection of cardiac tumor, any type.

Status post - Repair or occlusion of a pulmonary arteriovenous fistula.

Status post - Ligation or division of the pulmonary artery. Most often performed as a secondary procedure.

Status post - Acute pulmonary embolism (clot) removal, through catheter or surgery.

Status post - Chronic pulmonary embolism (clot) removal, through catheter or surgery.

Status post - Pleural drainage procedure via thoracocentesis, tube thoracostomy, or open surgical drainage.

Status post - Other pleural procedures not specifically listed; may include pleurodesis (mechanical, talc,

		antibiotic or other), among others.
5830	Status post - Ligation, Thoracic duct	Status post - Ligation of the thoracic duct; most commonly for persistent chylothorax.
5840	Status post - Decortication	Status post - Decortication of the lung by any technique.
5850	Status post - Esophageal procedure	Status post - Any procedure performed on the esophagus.
5860	Status post - Mediastinal procedure	Status post - Any non-cardiovascular mediastinal procedure not otherwise listed.
5870	Status post - Bronchoscopy	Status post - Bronchoscopy, rigid or flexible, for diagnostic, biopsy, or treatment purposes (laser, stent, dilation, lavage).
5880	Status post - Diaphragm plication	Status post - Plication of the diaphragm; most often for diaphragm paralysis due to phrenic nerve injury.
5890	Status post - Diaphragm procedure, Other	Status post - Any diaphragm procedure not specifically listed.
5930	Status post - VATS (video- assisted thoracoscopic surgery)	Status post - Video-assisted thoracoscopic surgery utilized; this code should be used in addition to the specific procedure code (e.g., if PDA ligated using VATS technique, PDA ligation should be primary procedure, VATS should be secondary procedure).
5940	Status post - Minimally invasive procedure	Status post - Any procedure using minimally invasive technique; this code should be used in addition to the specific procedure code (e.g., if ASD closed using minimally invasive technique, ASD repair should be primary procedure, minimally invasive procedure should be listed additionally).
5950	Status post - Bypass for noncardiac lesion	Status post - Use of cardiopulmonary bypass for noncardiac lesion; this code may be used in addition to the specific procedure code if one is available (e.g., tracheal procedures may be done using CPB - the tracheal procedure should be the primary procedure and use of cardiopulmonary bypass for noncardiac lesion should be listed additionally).
5960	Status post - Delayed sternal closure	Status post - Sternal closure effected after patient has left operating room with sternum open, either because of swelling or electively after complex heart procedures. This procedure should be operative type No CPB Cardiovascular.
5970	Status post - Mediastinal exploration	Status post - Mediastinal exploration, most often for postoperative control of bleeding or tamponade, but may be exploration to assess mediastinal mass, etc.
5980	Status post - Sternotomy wound drainage	Status post - Drainage of the sternotomy wound.
5990	Status post - Thoracotomy, Other	Status post - Any procedure performed through a thoracotomy incision not otherwise listed.
6000	Status post - Cardiotomy, Other	Status post - Any procedure involving an incision in the heart that is not otherwise listed.

## STS Adult Cardiac Database

6010	Status post - Cardiac procedure, Other	Status post - Any cardiac procedure, bypass or non- bypass, that is not otherwise listed.	
6020	Status post - Thoracic and/or mediastinal procedure, Other	Status post - Any thoracic and/or mediastinal procedure not otherwise listed.	
6030	Status post - Peripheral vascular procedure, Other	Status post - Any peripheral vascular procedure; may include procedures such as femoral artery repair, iliac artery repair, etc.	
6040	Status post - Miscellaneous procedure, Other	Status post - Any miscellaneous procedure not otherwise listed.	
6050	Status post - Organ procurement	Status post - Procurement of an organ for transplant (most likely, heart, lungs, or heart and lungs).	
11777	Status post - Other procedure	Status post - Any procedure on any organ system not otherwise listed.	

Long Name:	Other Card-Congenital Procedure 1	SeqNo:	5340
Short Name:	OCarCongProc1	Core:	Yes
Section Name:	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

Definition: Indicate the first of the three most significant congenital procedures.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Other Card-Congenital	Format:	Text (categorical values specified by STS)
ParentShortName:	OCarCong	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes and Value Definitions:

Code:	Value:	Definition:
10	PFO, Primary closure	Suture closure of patent foramen ovale (PFO).
20	ASD repair, Primary closure	Suture closure of secundum (most frequently), coronary sinus, sinus venosus or common atrium ASD.
30	ASD repair, Patch	Patch closure (using any type of patch material) of secundum, coronary sinus, or sinus venosus ASD.
40	ASD repair, Device	Closure of any type ASD (including PFO) using a device.
2110	ASD repair, Patch + PAPVC repair	
50	ASD, Common atrium (single atrium), Septation	Septation of common (single) atrium using any type patch material.
60	ASD creation/enlargement	Creation of an atrial septal defect or enlargement of an existing atrial septal defect using a variety of modalities including balloon septostomy, blade septostomy, or

		surgical septectomy. Creation may be accomplished with or without use of cardiopulmonary bypass.
70	ASD partial closure	Intentional partial closure of any type ASD (partial suture or fenestrated patch closure).
80	Atrial septal fenestration	Creation of a fenestration (window) in the septum between the atrial chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the atrial septum.
85	Atrial fenestration closure	Closure of previously created atrial fenestration using any method including device, primary suture, or patch.
100	VSD repair, Primary closure	Suture closure of any type VSD.
110	VSD repair, Patch	Patch closure (using any type of patch material) of any type VSD.
120	VSD repair, Device	Closure of any type VSD using a device.
130	VSD, Multiple, Repair	Closure of more than one VSD using any method or combination of methods. Further information regarding each type of VSD closed and method of closure can be provided by additionally listing specifics for each VSD closed. In the case of multiple VSDs in which only one is closed the procedure should be coded as closure of a single VSD. The fundamental diagnosis, in this case, would be "VSD, Multiple" and a secondary diagnosis can be the morphological type of VSD that was closed at the time of surgery.
140	VSD creation/enlargement	Creation of a ventricular septal defect or enlargement of an existing ventricular septal defect.
150	Ventricular septal fenestration	Creation of a fenestration (window) in the septum between the ventricular chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the ventricular septum.
170	AVC (AVSD) repair, Complete (CAVSD)	Repair of complete AV canal (AVSD) using one- or two-patch or other technique, with or without mitral valve cleft repair.
180	AVC (AVSD) repair, Intermediate (Transitional)	Repair of intermediate AV canal (AVSD) using ASD and VSD patch, or ASD patch and VSD suture, or other technique, with or without mitral valve cleft repair.
190	AVC (AVSD) repair, Partial (Incomplete) (PAVSD)	Repair of partial AV canal defect (primum ASD), any technique, with or without repair of cleft mitral valve.
2300	Valvuloplasty, Common atrioventricular valve	
2250	Valvuloplasty converted to valve replacement in the same operation, Common atrioventricular valve	
2230	Valve replacement, Common atrioventricular valve	

210	AP window repair	Repair of AP window using one- or two-patch technique with cardiopulmonary bypass; or, without cardiopulmonary bypass, using transcatheter device or surgical closure.
220	Pulmonary artery origin from ascending aorta (hemitruncus) repair	Repair of pulmonary artery origin from the ascending aorta by direct reimplantation, autogenous flap, or conduit, with or without use of cardiopulmonary bypass.
230	Truncus arteriosus repair	Truncus arteriosus repair that most frequently includes patch VSD closure and placement of a conduit from RV to PA. In some cases, a conduit is not placed but an RV to PA connection is made by direct association. Very rarely, there is no VSD to be closed. Truncal valve repair or replacement should be coded separately (Valvuloplasty, Truncal valve; Valve replacement, Truncal valve), as would be the case as well with associated arch anomalies requiring repair (e.g., Interrupted aortic arch repair).
240	Valvuloplasty, Truncal valve	Truncal valve repair, any type.
2290	Valvuloplasty converted to valve replacement in the same operation, Truncal valve	
250	Valve replacement, Truncal valve	Replacement of the truncal valve with a prosthetic valve.
2220	Truncus + Interrupted aortic arch repair (IAA) repair	
260	PAPVC repair	PAPVC repair revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed.
270	PAPVC, Scimitar, Repair	In scimitar syndrome, PAPVC repair also revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed. Occasionally an ASD is created; this procedure also must be listed separately. Concomitant thoracic procedures (e.g., lobectomy, pneumonectomy) should also be included in the procedures listing.
2120	PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage)	
280	TAPVC repair	Repair of TAPVC, any type. Issues surrounding TAPVC repair involve how the main pulmonary venous

confluence anastomosis is fashioned, whether an

associated ASD is closed or left open or enlarged (ASD closure and enlargement may be listed separately), and whether, particularly in mixed type TAPVC repair, an additional anomalous pulmonary vein is repaired surgically.

- 2200 TAPVC repair + Shunt systemic-to-pulmonary
- 290 Cor triatriatum repair
- 300 Pulmonary venous stenosis repair
- 310 Atrial baffle procedure (non-Mustard, non-Senning)
- 330 Anomalous systemic venous connection repair

- 340 Systemic venous stenosis repair
- 350 TOF repair, No ventriculotomy

360 TOF repair, Ventriculotomy, Nontransanular patch Repair of cor triatriatum. Surgical decision making revolves around the approach to the membrane creating the cor triatriatum defect, how any associated ASD is closed, and how any associated anomalous pulmonary vein connection is addressed. Both ASD closure and anomalous pulmonary venous connection may be listed as separate procedures.

Repair of pulmonary venous stenosis, whether congenital or acquired. Repair can be accomplished with a variety of approaches: sutureless, patch venoplasty, stent placement, etc.

The atrial baffle procedure code is used primarily for repair of systemic venous anomalies, as in redirection of left superior vena cava drainage to the right atrium.

With the exception of atrial baffle procedures (harvest code 310), anomalous systemic venous connection repair includes a range of surgical approaches, including, among others: ligation of anomalous vessels, reimplantation of anomalous vessels (with or without use of a conduit), or redirection of anomalous systemic venous flow through directly to the pulmonary circulation (bidirectional Glenn to redirect LSVC or RSVC to left or right pulmonary artery, respectively).

Stenosis or obstruction of a systemic vein (most commonly SVC or IVC) may be relieved with patch or conduit placement, excision of the stenotic area with primary reanastomosis or direct reimplantation.

Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), without use of an incision in the infundibulum of the right ventricle for exposure. In most cases this would be a transatrial and transpulmonary artery approach to repair the VSD and relieve the pulmonary stenosis. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.

Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision, but without placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally

		through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
370	TOF repair, Ventriculotomy, Transanular patch	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision and placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
380	TOF repair, RV-PA conduit	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with placement of a right ventricle-to-pulmonary artery conduit. In this procedure the major components of pulmonary stenosis are relieved with placement of the RV-PA conduit.
390	TOF - AVC (AVSD) repair	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with repair of associated AV canal defect. Repair of associated atrial septal defect or atrioventricular valve repair(s) should be listed as additional or secondary procedures under the primary TOF-AVC procedure.
400	TOF - Absent pulmonary valve repair	Repair of tetralogy of Fallot with absent pulmonary valve complex. In most cases this repair will involve pulmonary valve replacement (pulmonary or aortic homograft, porcine, other) and reduction pulmonary artery arterioplasty.
420	Pulmonary atresia - VSD (including TOF, PA) repair	For patients with pulmonary atresia with ventricular septal defect without MAPCAs, including those with tetralogy of Fallot with pulmonary atresia, repair may entail either a tetralogy-like repair with transannular patch placement, a VSD closure with placement of an RV-PA conduit, or an intraventricular tunnel VSD closure with transannular patch or RV-PA conduit placement. To assure an accurate count of repairs of pulmonary atresia-VSD without MAPCAs, even if a tetralogy-type repair or Rastelli-type repair is used, the pulmonary atresia-VSD code should be the code used, not Rastelli procedure or tetralogy of Fallot repair with transannular patch.
430	Pulmonary atresia - VSD - MAPCA (pseudotruncus) repair	In the presence of MAPCAs, this code implies implies pulmonary unifocalization (multi- or single-stage), repair of VSD (may be intraventricular tunnel or flat patch VSD closure), and placement of an RV-PA conduit.
440	Unifocalization MAPCA(s)	Anastomosis of aortopulmonary collateral arteries into the left, right, or main pulmonary artery or into a tube graft or other type of confluence. The unifocalization

		procedure may be done on or off bypass.
450	Occlusion MAPCA(s)	Occlusion, or closing off, of MAPCAs. This may be done with a transcatheter occluding device, usually a coil, or by surgical techniques.
460	Valvuloplasty, Tricuspid	Reconstruction of the tricuspid valve may include but not be limited to a wide range of techniques including: leaflet patch extension, artificial chordae placement, papillary muscle transplocation with or without detachment. Annuloplasty techniques that may be done solely or in combination with leaflet, chordae or muscle repair to achieve a competent valve include: eccentric annuloplasty, Kay annular plication, purse-string annuloplasty (including semicircular annuloplasty), sliding annuloplasty, and annuloplasty with ring placement. Do not use this code if tricuspid valve malfunction is secondary to Ebstein's anomaly; instead use the Ebstein's repair procedure code.
2280	Valvuloplasty converted to valve replacement in the same operation, Tricuspid	
465	Ebstein's repair	To assure an accurate count of repairs of Ebstein's anomaly of the tricuspid valve, this procedure code was included. Repair of Ebstein's anomaly may include, among other techniques, repositioning of the tricuspid valve, plication of the atrialized right ventricle, or right reduction atrioplasty. Often associated ASD's may be closed and arrhythmias addressed with surgical ablation procedures. These procedures should be entered as separate procedure codes.
470	Valve replacement, Tricuspid (TVR)	Replacement of the tricuspid valve with a prosthetic valve.
480	Valve closure, Tricuspid (exclusion, univentricular approach)	In a functional single ventricle heart, the tricuspid valve may be closed using a patch, thereby excluding the RV. Tricuspid valve closure may be used for infants with Ebstein's anomaly and severe tricuspid regurgitation or in patients with pulmonary atresia-intact ventricular septum with sinusoids.
490	Valve excision, Tricuspid (without replacement)	Excision of the tricuspid valve without placement of a valve prosthesis.
500	Valve surgery, Other, Tricuspid	Other tricuspid valve surgery not specified in procedure codes.
510	RVOT procedure	Included in this procedural code would be all RVOT procedures not elsewhere specified in the nomenclature system. These might be, among others: resection of subvalvar pulmonary stenosis (not DCRV type; may be localized fibrous diaphragm or high infundibular stenosis), right ventricular patch augmentation, or reduction pulmonary artery arterioplasty.
520	1 1/2 ventricular repair	Partial biventricular repair; includes intracardiac repair

		with bidirectional cavopulmonary anastomosis to volume unload a small ventricle or poorly functioning ventricle.
530	PA, reconstruction (plasty), Main (trunk)	Reconstruction of the main pulmonary artery trunk commonly using patch material. If balloon angioplasty is performed or a stent is placed in the main pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If MPA reconstruction is performed with PA debanding, both codes should be listed.
540	PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation)	Reconstruction of the right or left branch (or both right and left) pulmonary arteries (within the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If, rarely, branch PA banding (single or bilateral) was performed in the past and reconstruction is performed associated with debanding, both codes should be listed.
550	PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation)	Reconstruction of the peripheral right or left branch (or both right and left) pulmonary arteries (at or beyond the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) peripheral pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code.
570	DCRV repair	Surgical repair of DCRV combines relief of the low infundibular stenosis (via muscle resection) and closure of a VSD when present. A ventriculotomy may be required and is repaired by patch enlargement of the infundibulum. VSD closure and patch enlargement of the infundibulum, if done, should be listed as separate procedure codes.
590	Valvuloplasty, Pulmonic	Valvuloplasty of the pulmonic valve may include a range of techniques including but not limited to: valvotomy with or without bypass, commissurotomy, and valvuloplasty.
2270	Valvuloplasty converted to valve replacement in the same operation, Pulmonic	
600	Valve replacement, Pulmonic (PVR)	Replacement of the pulmonic valve with a prosthetic valve. Care must be taken to differentiate between homograft pulmonic valve replacement and placement of a homograft RV-PA conduit.
630	Valve excision, Pulmonary (without replacement)	Excision of the pulmonary valve without placement of a valve prosthesis.
640	Valve closure, Semilunar	Closure of a semilunar valve (pulmonic or aortic) by any technique.
650	Valve surgery, Other,	Other pulmonic valve surgery not specified in

	Pulmonic	procedure codes.
610	Conduit placement, RV to PA	Placement of a conduit, any type, from RV to PA.
620	Conduit placement, LV to PA	Placement of a conduit, any type, from LV to PA.
1774	Conduit placement, Ventricle to aorta	Placement of a conduit from the right or left ventricle to the aorta.
1772	Conduit placement, Other	Placement of a conduit from any chamber or vessel to any vessel, valved or valveless, not listed elsewhere.
580	Conduit reoperation	Conduit reoperation is the code to be used in the event of conduit failure, in whatever position (LV to aorta, LV to PA, RA to RV, RV to aorta, RV to PA, etc.), and from whatever cause (somatic growth, stenosis, insufficiency, infection, etc).
660	Valvuloplasty, Aortic	Valvuloplasty of the aortic valve for stenosis and/or insufficiency including, but not limited to the following techniques: valvotomy (open or closed), commissurotomy, aortic valve suspension, leaflet (left, right or noncoronary) partial resection, reduction, or leaflet shaving, extended valvuloplasty (freeing of leaflets, commissurotomy, and extension of leaflets using autologous or bovine pericardium), or annuloplasty (partial - interrupted or noncircumferential sutures, or complete - circumferential sutures).
2240	Valvuloplasty converted to valve replacement in the same operation, Aortic	
2310	Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure	
2320	Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross- Konno procedure	
670	Valve replacement, Aortic (AVR)	Replacement of the aortic valve with a prosthetic valve (mechanical, bioprosthetic, or homograft). Use this code only if type of valve prosthesis is unknown or does not fit into the specific valve replacement codes available. Autograft valve replacement should be coded as a Ross procedure.
680	Valve replacement, Aortic (AVR), Mechanical	Replacement of the aortic valve with a mechanical prosthetic valve.
690	Valve replacement, Aortic (AVR), Bioprosthetic	Replacement of the aortic valve with a bioprosthetic prosthetic valve.
700	Valve replacement, Aortic (AVR), Homograft	Replacement of the aortic valve with a homograft prosthetic valve.
715	Aortic root replacement, Bioprosthetic	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a bioprosthesis (e.g., porcine) in a conduit,

		often composite.
720	Aortic root replacement, Mechanical	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a mechnical prosthesis in a composite conduit.
730	Aortic root replacement, Homograft	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a homograft.
735	Aortic root replacement, Valve sparing	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) without replacing the aortic valve (using a tube graft).
740	Ross procedure	Replacement of the aortic valve with a pulmonary autograft and replacement of the pulmonary valve with a homograft conduit.
750	Konno procedure	Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty. Components of the surgery include a longitudinal incision in the aortic septum, a vertical incision in the outflow tract of the right ventricle to join the septal incision, aortic valve replacement, and patch reconstruction of the outflow tracts of both ventricles.
760	Ross-Konno procedure	Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty using a pulmonary autograft root for the aortic root replacement.
770	Other annular enlargement procedure	Techniques included under this procedure code include those designed to effect aortic annular enlargement that are not included in other procedure codes. These include the Manougian and Nicks aortic annular enlargement procedures.
780	Aortic stenosis, Subvalvar, Repair	Subvalvar aortic stenosis repair by a range of techniques including excision, excision and myotomy, excision and myomectomy, myotomy, myomectomy, initial placement of apical-aortic conduit (LV to aorta conduit replacement would be coded as conduit reoperation), Vouhé aortoventriculoplasty (aortic annular incision at commissure of left and right coronary cusps is carried down to the septum and RV infundibulum; septal muscle is resected, incisions are closed, and the aortic annulus is reconstituted), or other aortoventriculoplasty techniques.
2100	Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS	
790	Aortic stenosis, Supravalvar,	Repair of supravalvar aortic stenosis involving all

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	Repair	techniques of patch aortoplasty and aortoplasty involving the use of all autologous tissue. In simple patch aortoplasty a diamond-shaped patch may be used, in the Doty technique an extended patch is placed (Y- shaped patch, incision carried into two sinuses), and in the Brom repair the ascending aorta is transected, any fibrous ridge is resected, and the three sinuses are patched separately.
800	Valve surgery, Other, Aortic	Other aortic valve surgery not specified in other procedure codes.
810	Sinus of Valsalva, Aneurysm repair	Sinus of Valsalva aneurysm repair can be organized by site of aneurysm (left, right or noncoronary sinus), type of repair (suture, patch graft, or root repair by tube graft or valved conduit), and approach used (from chamber of origin (aorta) or from chamber of penetration (LV, RV, PA, left or right atrium, etc.). Aortic root replacement procedures in association with sinus of Valsalva aneurysm repairs are usually for associated uncorrectable aortic insufficiency or multiple sinus involvement and the aortic root replacement procedure should also be listed. Additional procedures also performed at the time of sinus of Valsalva aneurysm repair include but are not limited to VSD closure, repair or replacement of aortic valve, and coronary reconstruction; these procedures should also be coded separately from the sinus of Valsalva aneurysm repair.
820	LV to aorta tunnel repair	LV to aorta tunnel repair can be accomplished by suture, patch, or both, and may require reimplantation of the right coronary artery. Associated coronary artery procedures should be coded separately from the LV to aorta tunnel repair.
830	Valvuloplasty, Mitral	Repair of mitral valve including, but not limited to: valvotomy (closed or open heart), cleft repair, annuloplasty with or without ring, chordal reconstruction, commissuorotomy, leaflet repair, or papillary muscle repair.
2260	Valvuloplasty converted to valve replacement in the same operation, Mitral	
840	Mitral stenosis, Supravalvar mitral ring repair	Supravalvar mitral ring repair.
850	Valve replacement, Mitral (MVR)	Replacement of mitral valve with prosthetic valve, any kind, in suprannular or annular position.
860	Valve surgery, Other, Mitral	Other mitral valve surgery not specified in procedure codes.
870	Norwood procedure	The Norwood operation is synonymous with the term 'Norwood (Stage 1)' and is defined as an aortopulmonary connection and neoaortic arch construction resulting in univentricular physiology and pulmonary blood flow controlled with a calibrated

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2160

	<ul> <li>systemic-to-pulmonary artery shunt, or a right ventricle to pulmonary artery conduit, or rarely, a cavopulmonary connection.</li> <li>When coding the procedure "Norwood procedure", the primary procedure of the operation should be "Norwood procedure". The second procedure (Procedure 2 after the Norwood procedure) must then document the source of pulmonary blood flow and be chosen from the following eight choices: <ol> <li>Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)</li> <li>Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)</li> <li>Shunt, Systemic to pulmonary, Other</li> <li>Conduit placement, RV to PA</li> <li>Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)</li> <li>Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)</li> <li>HemiFontan</li> </ol> </li> </ul>
HLHS biventricular repair	Performed in patients who have small but adequately sized ventricles to support systemic circulation. These patients usually have small, but not stenotic, aortic and/or mitral valves. Primary biventricular repair has consisted of extensive aortic arch and ascending aorta enlargement with a patch, closure of interventricular and interatrial communications, and conservative approach for left ventricular outflow tract obstruction (which may include mitral stenosis at any level, subaortic stenosis, aortic stenosis, aortic arch hypoplasia, coarctation, or interrupted aortic arch). Concurrent operations (e.g., coarctation repair, aortic valve repair or replacement, etc.) can be coded separately within the database.
Hybrid Approach "Stage 1", Application of RPA & LPA bands	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA)	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures

2170

- 2180 Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands
- 2140 Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)

2150 Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair

Transplant, Heart

developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".

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Heart transplantation, any technique, allograft or xenograft.

900 Transplant, Heart and lung Heart and lung (single or double) transplantation.

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910	Partial left ventriculectomy (LV volume reduction surgery) (Batista)	Wedge resection of LV muscle, with suturing of cut edges together, to reduce LV volume.
920	Pericardial drainage procedure	Pericardial drainage can include a range of therapies including, but not limited to: pericardiocentesis, pericardiostomy tube placement, pericardial window creation, and open pericardial drainage (pericardiotomy).
930	Pericardiectomy	Surgical removal of the pericardium.
940	Pericardial procedure, Other	Other pericardial procedures that include, but are not limited to: pericardial reconstruction for congenital absence of the pericardium, pericardial biopsy, pericardial mass or cyst excision.
950	Fontan, Atrio-pulmonary connection	Fontan-type procedure with atrio-pulmonary connection.
960	Fontan, Atrio-ventricular connection	Fontan-type procedure with atrio-ventricular connection, either direct or with RA-RV conduit, valved or nonvalved.
970	Fontan, TCPC, Lateral tunnel, Fenestrated	Total cavopulmonary connection using an intraatrial lateral tunnel construction, with fenestration.
980	Fontan, TCPC, Lateral tunnel, Nonfenestrated	Total cavopulmonary connection using an intraatrial lateral tunnel construction, with no fenestration.
1000	Fontan, TCPC, External conduit, Fenestrated	Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with fenestration.
1010	Fontan, TCPC, External conduit, Nonfenestrated	Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with no fenestration.
1025	Fontan revision or conversion (Re-do Fontan)	Revision of a previous Fontan procedure to a total cavopulmonary connection.
1030	Fontan, Other	Other Fontan procedure not specified in procedure codes. May include takedown of a Fontan procedure.
2340	Fontan + Atrioventricular valvuloplasty	
1035	Ventricular septation	Creation of a prosthetic ventricular septum. Surgical procedure used to septate univentricular hearts with two atrioventricular valves. Additional procedures, such as resection of subpulmonic stenosis, should be listed separately.
1050	Congenitally corrected TGA repair, Atrial switch and ASO (double switch)	Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and arterial switch operation. VSD closure is usually performed as well; this should be coded separately.
1060	Congenitally corrected TGA repair, Atrial switch and Rastelli	Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and VSD closure to the aortic valve with placement of an RV-to-PA conduit.
1070	Congenitally corrected TGA	Repair of congenitally corrected TGA by VSD closure

	repair, VSD closure	only.
1080	Congenitally corrected TGA repair, VSD closure and LV to PA conduit	Repair of congenitally corrected TGA by VSD closure and placement of an LV-to-PA conduit.
1090	Congenitally corrected TGA repair, Other	Any procedures for correction of CCTGA not otherwised specified in other listed procedure codes.
1110	Arterial switch operation (ASO)	Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished.
1120	Arterial switch operation (ASO) and VSD repair	Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished. The VSD is closed, usually with a patch.
1123	Arterial switch procedure + Aortic arch repair	Concomitant arterial switch operation and repair of the aortic arch in patients with transposition of the great arteries with intact ventricular septum and associated coarctation of the aorta or interrupted aortic arch.
1125	Arterial switch procedure and VSD repair + Aortic arch repair	Concomitant arterial switch operation with VSD closure and repair of aortic arch in patients with transposition of the great arteries with VSD and associated coarctation of the aorta or interrupted aortic arch.
1130	Senning	Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while the pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Senning procedure uses atrial wall to construct the baffle.
1140	Mustard	Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Mustard procedure uses patch material to construct the baffle.
1145	Atrial baffle procedure, Mustard or Senning revision	Revision of a previous atrial baffle procedure (either Mustard or Senning), for any reason (e.g., obstruction, baffle leak).
1150	Rastelli	Most often used for patients with TGA-VSD and significant LVOTO, the Rastelli operation consists of an LV-to-aorta intraventricular baffle closure of the VSD and placement of an RV-to-PA conduit.
1160	REV	The Lecompte (REV) intraventricular repair is designed

for patients with abnormalities of ventriculoarterial connection in whom a standard intraventricular tunnel repair cannot be performed. It is also suitable for patients in whom an arterial switch procedure with tunneling of the VSD to the pulmonary artery cannot be performed because of pulmonary (left ventricular outflow tract) stenosis. A right ventriculotomy incision is made. The infundibular (conal) septum, located between the two semilunar valves, is aggressively resected if its presence interferes with the construction of a tunnel from the VSD to the aorta. The VSD is then tunneled to the aorta. The decision to perform or not to perform the Lecompte maneuver should be made at the beginning of the operation. If the Lecompte maneuver is not performed the pulmonary artery is translocated to the right ventricular outflow tract on the side of the aorta that provides the shortest route. (When the decision to perform the Lecompte maneuver has been made, the great vessels are transected and this maneuver is performed at the beginning of the operation.) The pulmonary artery orifice is then closed. The aorta, if it had been transected during the performance of the Lecompte maneuver, is then reconstructed. A vertical incision is made on the anterior aspect of the main pulmonary artery. The posterior margin of the pulmonary artery is sutured to the superior aspect of the vertical right ventriculotomy incision. A generous patch of autologous pericardium is used to close the inferior portion of the right ventriculotomy and the anterior portion of the pulmonary artery. A monocusp pericardial valve is inserted extemporaneously.

2190 Aortic root translocation over left ventricle (Including Nikaidoh procedure) 2210 TGA, Other procedures (Kawashima, LV-PA conduit, other) 1180 DORV, Intraventricular Repair of DORV using a tunnel closure of the VSD to tunnel repair the aortic valve. This also includes the posterior straight tunnel repair of Kawashima 1200 DOLV repair Because of the morphologic variability of DOLV, there are many approaches to repair, including: intraventricular tunnel repair directing the VSD to the pulmonary valve, the REV procedure, or the Rastelli procedure. In the case of DOLV use this code for tunnel closure to the pulmonary valve. If the REV or Rastelli procedures are performed then use those respective codes. Repair of coarctation of aorta by excision of the 1210 Coarctation repair, End to end coarctation segment and end-to-end circumferential anastomosis of the aorta.

1220	Coarctation repair, End to end, Extended	Repair of coarctation of the aorta by excision of the coarctation segment and end-to-end anastomosis of the oblique ends of the aorta, creating an extended anastomosis.
1230	Coarctation repair, Subclavian flap	Repair of coarctation of the aorta by ligating, dividing, and opening the subclavian artery, incising the coarctation site, and folding down the subclavian artery onto the incision in the aorta, suturing the subclavian "flap" in place, creating a roof over the area of the previous coarctation.
1240	Coarctation repair, Patch aortoplasty	Repair of coarctation of the aorta by incising the coarctation site with placement of a patch sutured in place longitudinally along the aortotomy edge.
1250	Coarctation repair, Interposition graft	Repair of coarctation of the aorta by resection of the coarctation segment and placement of a prosthetic tubular interposition graft anastomosed circumferentially to the cut ends of the aorta.
1260	Coarctation repair, Other	Any repair of coarctation not specified in procedure codes. This may include, for example, a combination of two approaches for coarctation repair or extra-anatomic bypass graft, etc.
1275	Coarctation repair + VSD repair	Coarctation of aorta repair, any technique, and simultaneous VSD repair, any type VSD, any type repair.
1280	Aortic arch repair	Aortic arch repair, any technique.
1285	Aortic arch repair + VSD repair	Aortic arch repair, any technique, and simultaneous VSD repair, any type VSD, any type repair. This includes repair of IAA with VSD.
1290	Coronary artery fistula ligation	Coronary artery fistula repair using any technique. If additional technique information may be supplied by another procedure code, please list separately (e.g., bypass graft).
1291	Anomalous origin of coronary artery from pulmonary artery repair	Repair of anomalous origin of the coronary artery (any) from the pulmonary artery, by any technique (ligation, translocation with aortic implantation, Takeuchi operation, bypass graft). If additional technique information may be supplied by another procedure code, please list separately (for example, bypass graft).
1300	Coronary artery bypass	Coronary artery bypass graft procedure, any technique (with or without CPB, venous or arterial graft, one or more grafts, etc.), for any coronary artery pathology (coronary arterial fistula, aneurysm, coronary bridging, atresia of left main, acquired coronary artery disease, etc.).
1305	Anomalous aortic origin of coronary artery from aorta (AAOCA) repair	
1310	Coronary artery procedure,	Any coronary artery procedure not specifically listed.

Other

1320	Interrupted aortic arch repair	Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.
1330	PDA closure, Surgical	Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).
1340	PDA closure, Device	Closure of a PDA by device using transcatheter techniques.
1360	Vascular ring repair	Repair of vascular ring (any type, except pulmonary artery sling) by any technique.
1365	Aortopexy	Surgical fixation of the aorta to another structure (usually the posterior aspect of the sternum) to relieve compression on another vessel or structure (e.g., trachea).
1370	Pulmonary artery sling repair	Pulmonary artery sling repair by any technique.
1380	Aortic aneurysm repair	Aortic aneurysm repair by any technique.
1390	Aortic dissection repair	Aortic dissection repair by any technique.
1400	Lung biopsy	Lung biopsy, any technique.
1410	Transplant, lung(s)	Lung or lobe transplantation of any type.
1420	Lung procedure, Other	Included in this procedure code would be any lung procedure other than transplant, such as, but not limited to: pneumonectomy (left or right), lobectomy (any lobe), bilobectomy (two lobes), segmental lung resection (any segment), or wedge resection.
1430	Pectus repair	Repair of pectus excavatum or carinatum by any technique.
1440	Tracheal procedure	Any tracheal procedure, including but not limited to relief of tracheal stenosis (any means including pericardial graft, autograft insertion, homograft insertion, resection with reanastomosis, rib cartilage insertion, or slide tracheoplasty). Tracheal stent placement or balloon dilation should be coded separately.
1450	Pacemaker implantation, Permanent	Implantation of a permanent pacemaker of any type (e.g., single-chamber, dual-chamber, atrial antitachycardia), with any lead configuration or type (atrial, ventricular, atrial and ventricular, transvenous, epicardial, transmural), by any technique (sternotomy, thoracotomy etc).
1460	Pacemaker procedure	Any revision to a previously placed pacemaker system including revisions to leads, generators, pacemaker pockets. This may include explantation of pacemakers or leads as well.
2350	Explantation of pacing system	
1470	ICD (AICD) implantation	Implantation of an (automatic) implantable cardioverter defibrillator system.

	ububb	
1480	ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure	Any revision to a previously placed AICD including revisions to leads, pads, generators, pockets. This may include explantation procedures as well.
1490	Arrhythmia surgery - atrial, Surgical Ablation	Surgical ablation (any type) of any atrial arrhythmia.
1500	Arrhythmia surgery - ventricular, Surgical Ablation	Surgical ablation (any type) of any ventricular arrhythmia.
2500	Cardiovascular catheterization procedure, Diagnostic	
2520	Cardiovascular catheterization procedure, Diagnostic, Angiographic data obtained	
2550	Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration	
2540	Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration	
2510	Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained	
2530	Cardiovascular catheterization procedure, Diagnostic, Transluminal test occlusion	
2410	Cardiovascular catheterization procedure, Therapeutic	
2670	Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy	
1540	Cardiovascular catheterization procedure, Therapeutic, Balloon dilation	
2590	Cardiovascular catheterization procedure, Therapeutic, Balloon valvotomy	
1580	Cardiovascular catheterization procedure, Therapeutic, Coil implantation	

1560 Cardiovascular

catheterization procedure, Therapeutic, Device implantation

- 2640 Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication)
- 2580 Cardiovascular catheterization procedure, Therapeutic, Septostomy
- 1550 Cardiovascular catheterization procedure, Therapeutic, Stent insertion
- 2630 Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation
- 2650 Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion
- 2660 Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve
- 2680 Cardiovascular electrophysiological catheterization procedure
- 2690 Cardiovascular electrophysiological catheterization procedure, Therapeutic ablation
- 1590 Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)
- 1600 Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)
- 1610 Shunt, Systemic to pulmonary, Other

Placement of a tube graft from a branch of the aortic arch to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

A direct anastomosis or placement of a tube graft from the aorta to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

Placement of any other systemic-to-pulmonary artery shunt, with or without bypass, from any approach (thoracotomy, sternotomy) that is not otherwise coded. Includes classic Blalock-Taussig systemic-to-pulmonary artery shunt.

Placement of a pulmonary artery band, any type.

- 1630 Shunt, Ligation and takedown Takedown of any shunt.
- 2095 Shunt, Reoperation
- 1640 PA banding (PAB)

1650	PA debanding	Debanding of pulmonary artery. Please list separately any pulmonary artery reconstruction required.
1660	Damus-Kaye-Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction)	In the Damus-Kaye-Stansel procedure the proximal transected main pulmonary artery is connected by varying techniques to the aorta.
1670	Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)	Superior vena cava to pulmonary artery anastomosis allowing flow to both pulmonary arteries with an end-to- side superior vena-to-pulmonary artery anastomosis.
1680	Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)	Superior vena cava to ipsilateral pulmonary artery anastomosis (i.e., LSVC to LPA, RSVC to RPA).
1690	Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)	Bilateral superior vena cava-to-pulmonary artery anastomoses (requires bilateral SVCs).
1700	HemiFontan	A HemiFontan is an operation that includes a bidirectional superior vena cava (SVC)-to-pulmonary artery anastomosis and the connection of this "SVC- pulmonary artery amalgamation" to the atrium, with a " dam" between this "SVC-pulmonary artery amalgamation" and the atrium. This operation can be accomplished with a variety of operative strategies including the following two techniques and other techniques that combine elements of both of these approaches: (1) Augmenting both branch pulmonary arteries with a patch and suturing the augmented branch pulmonary artery batch forms a roof over the SVC-to- pulmonary artery anastomosis and also forms a "dam" between the SVC-pulmonary artery amalgamation and the right atrium.) (2) Anastomosing both ends of the divided SVC to incisions in the top and bottom of the right pulmonary artery, and using a separate patch to close junction of the SVC and the right atrium.
2330	Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty	
2130	Superior Cavopulmonary anastomosis(es) + PA reconstruction	
1710	Palliation, Other	Any other palliative procedure not specifically listed.
2360	ECMO cannulation	
2370	ECMO decannulation	
1910	ECMO procedure	Any ECMO procedure (cannulation, decannulation, etc.).
1900	Intraaortic balloon pump	Insertion of intraaortic balloon pump by any technique.

(IABP) insertion

- 1920 Right/left heart assist device procedure
- 2390 VAD explantation
- 2380 VAD implantation
- 2420 Echocardiography procedure, Sedated transesophageal echocardiogram
- 2430 Echocardiography procedure, Sedated transthoracic echocardiogram
- 2435 Non-cardiovascular, Nonthoracic procedure on cardiac patient with cardiac anesthesia
- 2440 Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan)
- 2450 Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI)
- 2460 Radiology procedure on cardiac patient, Diagnostic radiology
- 2470 Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient
- 2480 Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient
- 2490 Interventional radiology procedure on cardiac patient
- 1720 Aneurysm, Ventricular, Right, Repair
- 1730 Aneurysm, Ventricular, Left, Repair
- 1740 Aneurysm, Pulmonary artery, Repair
- 1760 Cardiac tumor resection
- 1780 Pulmonary AV fistula repair/occlusion
- 1790 Ligation, Pulmonary artery

Any right, left, or biventricular assist device procedure (placement, removal etc.).

Repair of right ventricular aneurysm, any technique.

Repair of left ventricular aneurysm, any technique.

Repair of pulmonary artery aneurysm, any technique.

Repair or occlusion of a pulmonary arteriovenous fistula.

Ligation or division of the pulmonary artery. Most

often performed as a secondary procedure.

Resection of cardiac tumor, any type.

1802	Pulmonary embolectomy, Acute pulmonary embolus	Acute pulmonary embolism (clot) removal, through catheter or surgery.
1804	Pulmonary embolectomy, Chronic pulmonary embolus	Chronic pulmonary embolism (clot) removal, through catheter or surgery.
1810	Pleural drainage procedure	Pleural drainage procedure via thoracocentesis, tube thoracostomy, or open surgical drainage.
1820	Pleural procedure, Other	Other pleural procedures not specifically listed; may include pleurodesis (mechanical, talc, antibiotic or other), among others.
1830	Ligation, Thoracic duct	Ligation of the thoracic duct; most commonly for persistent chylothorax.
1840	Decortication	Decortication of the lung by any technique.
1850	Esophageal procedure	Any procedure performed on the esophagus.
1860	Mediastinal procedure	Any non-cardiovascular mediastinal procedure not otherwise listed.
1870	Bronchoscopy	Bronchoscopy, rigid or flexible, for diagnostic, biopsy, or treatment purposes (laser, stent, dilation, lavage).
1880	Diaphragm plication	Plication of the diaphragm; most often for diaphragm paralysis due to phrenic nerve injury.
1890	Diaphragm procedure, Other	Any diaphragm procedure not specifically listed.
1930	VATS (video-assisted thoracoscopic surgery)	Video-assisted thoracoscopic surgery utilized; this code should be used in addition to the specific procedure code (e.g., if PDA ligated using VATS technique, PDA ligation should be primary procedure, VATS should be secondary procedure).
1940	Minimally invasive procedure	Any procedure using minimally invasive technique; this code should be used in addition to the specific procedure code (e.g., if ASD closed using minimally invasive technique, ASD repair should be primary procedure, minimally invasive procedure should be listed additionally).
1950	Bypass for noncardiac lesion	Use of cardiopulmonary bypass for noncardiac lesion; this code may be used in addition to the specific procedure code if one is available (e.g., tracheal procedures may be done using CPB - the tracheal procedure should be the primary procedure and use of cardiopulmonary bypass for noncardiac lesion should be listed additionally).
1960	Delayed sternal closure	Sternal closure effected after patient has left operating room with sternum open, either because of swelling or electively after complex heart procedures. This procedure should be operative type No CPB Cardiovascular.
1970	Mediastinal exploration	Mediastinal exploration, most often for postoperative control of bleeding or tamponade, but may be exploration to assess mediastinal mass, etc.
1980	Sternotomy wound drainage	Drainage of the sternotomy wound.

	1990	Thoracotomy, Other	Any procedure performed through a thoracotomy incision not otherwise listed.
	2000	Cardiotomy, Other	Any procedure involving an incision in the heart that is not otherwise listed.
	2010	Cardiac procedure, Other	Any cardiac procedure, bypass or non-bypass, that is not otherwise listed.
	2020	Thoracic and/or mediastinal procedure, Other	Any thoracic and/or mediastinal procedure not otherwise listed.
	2030	Peripheral vascular procedure, Other	Any peripheral vascular procedure; may include procedures such as femoral artery repair, iliac artery repair, etc.
	2040	Miscellaneous procedure, Other	Any miscellaneous procedure not otherwise listed.
	2050	Organ procurement	Procurement of an organ for transplant (most likely, heart, lungs, or heart and lungs).
	7777	Other procedure	Any procedure on any organ system not otherwise listed.
e:	Other	Card-Congenital Procedure 2	<i>SeaNo:</i> 5350

Long Name:	Other Card-Congenital Procedure 2	SeqNo:	5350
Short Name:	OCarCongProc2	Core:	Yes
Section Name:	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

Definition: Indicate the second of the three most significant congenital procedures.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Other Card-Congenital	Format:	Text (categorical values specified by STS)
ParentShortName:	OCarCong	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

#### Harvest Codes and Value Definitions:

Code:	Value:	Definition:
10	PFO, Primary closure	Suture closure of patent foramen ovale (PFO).
20	ASD repair, Primary closure	Suture closure of secundum (most frequently), coronary sinus, sinus venosus or common atrium ASD.
30	ASD repair, Patch	Patch closure (using any type of patch material) of secundum, coronary sinus, or sinus venosus ASD.
40	ASD repair, Device	Closure of any type ASD (including PFO) using a device.
2110	ASD repair, Patch + PAPVC repair	
50	ASD, Common atrium (single	Septation of common (single) atrium using any type

	atrium), Septation	patch material.
60	ASD creation/enlargement	Creation of an atrial septal defect or enlargement of an existing atrial septal defect using a variety of modalities including balloon septostomy, blade septostomy, or surgical septectomy. Creation may be accomplished with or without use of cardiopulmonary bypass.
70	ASD partial closure	Intentional partial closure of any type ASD (partial suture or fenestrated patch closure).
80	Atrial septal fenestration	Creation of a fenestration (window) in the septum between the atrial chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the atrial septum.
85	Atrial fenestration closure	Closure of previously created atrial fenestration using any method including device, primary suture, or patch.
100	VSD repair, Primary closure	Suture closure of any type VSD.
110	VSD repair, Patch	Patch closure (using any type of patch material) of any type VSD.
120	VSD repair, Device	Closure of any type VSD using a device.
130	VSD, Multiple, Repair	Closure of more than one VSD using any method or combination of methods. Further information regarding each type of VSD closed and method of closure can be provided by additionally listing specifics for each VSD closed. In the case of multiple VSDs in which only one is closed the procedure should be coded as closure of a single VSD. The fundamental diagnosis, in this case, would be "VSD, Multiple" and a secondary diagnosis can be the morphological type of VSD that was closed at the time of surgery.
140	VSD creation/enlargement	Creation of a ventricular septal defect or enlargement of an existing ventricular septal defect.
150	Ventricular septal fenestration	Creation of a fenestration (window) in the septum between the ventricular chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the ventricular septum.
170	AVC (AVSD) repair, Complete (CAVSD)	Repair of complete AV canal (AVSD) using one- or two-patch or other technique, with or without mitral valve cleft repair.
180	AVC (AVSD) repair, Intermediate (Transitional)	Repair of intermediate AV canal (AVSD) using ASD and VSD patch, or ASD patch and VSD suture, or other technique, with or without mitral valve cleft repair.
190	AVC (AVSD) repair, Partial (Incomplete) (PAVSD)	Repair of partial AV canal defect (primum ASD), any technique, with or without repair of cleft mitral valve.
2300	Valvuloplasty, Common atrioventricular valve	
2250	Valvuloplasty converted to	

2250 Valvuloplasty converted to valve replacement in the same

	operation, Common atrioventricular valve	
2230	Valve replacement, Common atrioventricular valve	
210	AP window repair	Repair of AP window using one- or two-patch technique with cardiopulmonary bypass; or, without cardiopulmonary bypass, using transcatheter device or surgical closure.
220	Pulmonary artery origin from ascending aorta (hemitruncus) repair	Repair of pulmonary artery origin from the ascending aorta by direct reimplantation, autogenous flap, or conduit, with or without use of cardiopulmonary bypass.
230	Truncus arteriosus repair	Truncus arteriosus repair that most frequently includes patch VSD closure and placement of a conduit from RV to PA. In some cases, a conduit is not placed but an RV to PA connection is made by direct association. Very rarely, there is no VSD to be closed. Truncal valve repair or replacement should be coded separately (Valvuloplasty, Truncal valve; Valve replacement, Truncal valve), as would be the case as well with associated arch anomalies requiring repair (e.g., Interrupted aortic arch repair).
240	Valvuloplasty, Truncal valve	Truncal valve repair, any type.
2290	Valvuloplasty converted to valve replacement in the same operation, Truncal valve	
250	Valve replacement, Truncal valve	Replacement of the truncal valve with a prosthetic valve.
2220	Truncus + Interrupted aortic arch repair (IAA) repair	
260	PAPVC repair	PAPVC repair revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed.
270	PAPVC, Scimitar, Repair	In scimitar syndrome, PAPVC repair also revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed. Occasionally an ASD is created; this procedure also must be listed separately. Concomitant thoracic procedures (e.g., lobectomy, pneumonectomy) should also be included in the procedures listing.
2120	PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right	

	atrial appendage)	
280	TAPVC repair	Repair of TAPVC, any type. Issues surrounding TAPVC repair involve how the main pulmonary venous confluence anastomosis is fashioned, whether an associated ASD is closed or left open or enlarged (ASD closure and enlargement may be listed separately), and whether, particularly in mixed type TAPVC repair, an additional anomalous pulmonary vein is repaired surgically.
2200	TAPVC repair + Shunt - systemic-to-pulmonary	
290	Cor triatriatum repair	Repair of cor triatriatum. Surgical decision making revolves around the approach to the membrane creating the cor triatriatum defect, how any associated ASD is closed, and how any associated anomalous pulmonary vein connection is addressed. Both ASD closure and anomalous pulmonary venous connection may be listed as separate procedures.
300	Pulmonary venous stenosis repair	Repair of pulmonary venous stenosis, whether congenital or acquired. Repair can be accomplished with a variety of approaches: sutureless, patch venoplasty, stent placement, etc.
310	Atrial baffle procedure (non- Mustard, non-Senning)	The atrial baffle procedure code is used primarily for repair of systemic venous anomalies, as in redirection of left superior vena cava drainage to the right atrium.
330	Anomalous systemic venous connection repair	With the exception of atrial baffle procedures (harvest code 310), anomalous systemic venous connection repair includes a range of surgical approaches, including, among others: ligation of anomalous vessels, reimplantation of anomalous vessels (with or without use of a conduit), or redirection of anomalous systemic venous flow through directly to the pulmonary circulation (bidirectional Glenn to redirect LSVC or RSVC to left or right pulmonary artery, respectively).
340	Systemic venous stenosis repair	Stenosis or obstruction of a systemic vein (most commonly SVC or IVC) may be relieved with patch or conduit placement, excision of the stenotic area with primary reanastomosis or direct reimplantation.
350	TOF repair, No ventriculotomy	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), without use of an incision in the infundibulum of the right ventricle for exposure. In most cases this would be a transatrial and transpulmonary artery approach to repair the VSD and relieve the pulmonary stenosis. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
360	TOF repair, Ventriculotomy,	Tetralogy of Fallot repair (assumes VSD closure and

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	Nontransanular patch	relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision, but without placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
370	TOF repair, Ventriculotomy, Transanular patch	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision and placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
380	TOF repair, RV-PA conduit	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with placement of a right ventricle-to-pulmonary artery conduit. In this procedure the major components of pulmonary stenosis are relieved with placement of the RV-PA conduit.
390	TOF - AVC (AVSD) repair	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with repair of associated AV canal defect. Repair of associated atrial septal defect or atrioventricular valve repair(s) should be listed as additional or secondary procedures under the primary TOF-AVC procedure.
400	TOF - Absent pulmonary valve repair	Repair of tetralogy of Fallot with absent pulmonary valve complex. In most cases this repair will involve pulmonary valve replacement (pulmonary or aortic homograft, porcine, other) and reduction pulmonary artery arterioplasty.
420	Pulmonary atresia - VSD (including TOF, PA) repair	For patients with pulmonary atresia with ventricular septal defect without MAPCAs, including those with tetralogy of Fallot with pulmonary atresia, repair may entail either a tetralogy-like repair with transannular patch placement, a VSD closure with placement of an RV-PA conduit, or an intraventricular tunnel VSD closure with transannular patch or RV-PA conduit placement. To assure an accurate count of repairs of pulmonary atresia-VSD without MAPCAs, even if a tetralogy-type repair or Rastelli-type repair is used, the pulmonary atresia-VSD code should be the code used, not Rastelli procedure or tetralogy of Fallot repair with transannular patch.
430	Pulmonary atresia - VSD - MAPCA (pseudotruncus) repair	In the presence of MAPCAs, this code implies implies pulmonary unifocalization (multi- or single-stage), repair of VSD (may be intraventricular tunnel or flat patch VSD closure), and placement of an RV-PA

		conduit.
440	Unifocalization MAPCA(s)	Anastomosis of aortopulmonary collateral arteries into the left, right, or main pulmonary artery or into a tube graft or other type of confluence. The unifocalization procedure may be done on or off bypass.
450	Occlusion MAPCA(s)	Occlusion, or closing off, of MAPCAs. This may be done with a transcatheter occluding device, usually a coil, or by surgical techniques.
460	Valvuloplasty, Tricuspid	Reconstruction of the tricuspid valve may include but not be limited to a wide range of techniques including: leaflet patch extension, artificial chordae placement, papillary muscle transplocation with or without detachment. Annuloplasty techniques that may be done solely or in combination with leaflet, chordae or muscle repair to achieve a competent valve include: eccentric annuloplasty, Kay annular plication, purse-string annuloplasty (including semicircular annuloplasty), sliding annuloplasty, and annuloplasty with ring placement. Do not use this code if tricuspid valve malfunction is secondary to Ebstein's anomaly; instead use the Ebstein's repair procedure code.
2280	Valvuloplasty converted to valve replacement in the same operation, Tricuspid	
465	Ebstein's repair	To assure an accurate count of repairs of Ebstein's anomaly of the tricuspid valve, this procedure code was included. Repair of Ebstein's anomaly may include, among other techniques, repositioning of the tricuspid valve, plication of the atrialized right ventricle, or right reduction atrioplasty. Often associated ASD's may be closed and arrhythmias addressed with surgical ablation procedures. These procedures should be entered as separate procedure codes.
470	Valve replacement, Tricuspid (TVR)	Replacement of the tricuspid valve with a prosthetic valve.
480	Valve closure, Tricuspid (exclusion, univentricular approach)	In a functional single ventricle heart, the tricuspid valve may be closed using a patch, thereby excluding the RV. Tricuspid valve closure may be used for infants with Ebstein's anomaly and severe tricuspid regurgitation or in patients with pulmonary atresia-intact ventricular septum with sinusoids.
490	Valve excision, Tricuspid (without replacement)	Excision of the tricuspid valve without placement of a valve prosthesis.
500	Valve surgery, Other, Tricuspid	Other tricuspid valve surgery not specified in procedure codes.
510	RVOT procedure	Included in this procedural code would be all RVOT procedures not elsewhere specified in the nomenclature system. These might be, among others: resection of subvalvar pulmonary stenosis (not DCRV type; may be

		localized fibrous diaphragm or high infundibular stenosis), right ventricular patch augmentation, or reduction pulmonary artery arterioplasty.
520	1 1/2 ventricular repair	Partial biventricular repair; includes intracardiac repair with bidirectional cavopulmonary anastomosis to volume unload a small ventricle or poorly functioning ventricle.
530	PA, reconstruction (plasty), Main (trunk)	Reconstruction of the main pulmonary artery trunk commonly using patch material. If balloon angioplasty is performed or a stent is placed in the main pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If MPA reconstruction is performed with PA debanding, both codes should be listed.
540	PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation)	Reconstruction of the right or left branch (or both right and left) pulmonary arteries (within the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If, rarely, branch PA banding (single or bilateral) was performed in the past and reconstruction is performed associated with debanding, both codes should be listed.
550	PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation)	Reconstruction of the peripheral right or left branch (or both right and left) pulmonary arteries (at or beyond the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) peripheral pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code.
570	DCRV repair	Surgical repair of DCRV combines relief of the low infundibular stenosis (via muscle resection) and closure of a VSD when present. A ventriculotomy may be required and is repaired by patch enlargement of the infundibulum. VSD closure and patch enlargement of the infundibulum, if done, should be listed as separate procedure codes.
590	Valvuloplasty, Pulmonic	Valvuloplasty of the pulmonic valve may include a range of techniques including but not limited to: valvotomy with or without bypass, commissurotomy, and valvuloplasty.
2270	Valvuloplasty converted to valve replacement in the same operation, Pulmonic	
600	Valve replacement, Pulmonic (PVR)	Replacement of the pulmonic valve with a prosthetic valve. Care must be taken to differentiate between homograft pulmonic valve replacement and placement of a homograft RV-PA conduit.
630	Valve excision, Pulmonary	Excision of the pulmonary valve without placement of a

	(without replacement)	valve prosthesis.
640	Valve closure, Semilunar	Closure of a semilunar valve (pulmonic or aortic) by any technique.
650	Valve surgery, Other, Pulmonic	Other pulmonic valve surgery not specified in procedure codes.
610	Conduit placement, RV to PA	Placement of a conduit, any type, from RV to PA.
620	Conduit placement, LV to PA	Placement of a conduit, any type, from LV to PA.
1774	Conduit placement, Ventricle to aorta	Placement of a conduit from the right or left ventricle to the aorta.
1772	Conduit placement, Other	Placement of a conduit from any chamber or vessel to any vessel, valved or valveless, not listed elsewhere.
580	Conduit reoperation	Conduit reoperation is the code to be used in the event of conduit failure, in whatever position (LV to aorta, LV to PA, RA to RV, RV to aorta, RV to PA, etc.), and from whatever cause (somatic growth, stenosis, insufficiency, infection, etc).
660	Valvuloplasty, Aortic	Valvuloplasty of the aortic valve for stenosis and/or insufficiency including, but not limited to the following techniques: valvotomy (open or closed), commissurotomy, aortic valve suspension, leaflet (left, right or noncoronary) partial resection, reduction, or leaflet shaving, extended valvuloplasty (freeing of leaflets, commissurotomy, and extension of leaflets using autologous or bovine pericardium), or annuloplasty (partial - interrupted or noncircumferential sutures, or complete - circumferential sutures).
2240	Valvuloplasty converted to valve replacement in the same operation, Aortic	
2310	Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure	
2320	Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross- Konno procedure	
670	Valve replacement, Aortic (AVR)	Replacement of the aortic valve with a prosthetic valve (mechanical, bioprosthetic, or homograft). Use this code only if type of valve prosthesis is unknown or does not fit into the specific valve replacement codes available. Autograft valve replacement should be coded as a Ross procedure.
680	Valve replacement, Aortic (AVR), Mechanical	Replacement of the aortic valve with a mechanical prosthetic valve.
690	Valve replacement, Aortic (AVR), Bioprosthetic	Replacement of the aortic valve with a bioprosthetic prosthetic valve.

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700	Valve replacement, Aortic (AVR), Homograft	Replacement of the aortic valve with a homograft prosthetic valve.
715	Aortic root replacement, Bioprosthetic	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a bioprosthesis (e.g., porcine) in a conduit, often composite.
720	Aortic root replacement, Mechanical	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a mechnical prosthesis in a composite conduit.
730	Aortic root replacement, Homograft	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a homograft.
735	Aortic root replacement, Valve sparing	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) without replacing the aortic valve (using a tube graft).
740	Ross procedure	Replacement of the aortic valve with a pulmonary autograft and replacement of the pulmonary valve with a homograft conduit.
750	Konno procedure	Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty. Components of the surgery include a longitudinal incision in the aortic septum, a vertical incision in the outflow tract of the right ventricle to join the septal incision, aortic valve replacement, and patch reconstruction of the outflow tracts of both ventricles.
760	Ross-Konno procedure	Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty using a pulmonary autograft root for the aortic root replacement.
770	Other annular enlargement procedure	Techniques included under this procedure code include those designed to effect aortic annular enlargement that are not included in other procedure codes. These include the Manougian and Nicks aortic annular enlargement procedures.
780	Aortic stenosis, Subvalvar, Repair	Subvalvar aortic stenosis repair by a range of techniques including excision, excision and myotomy, excision and myomectomy, myotomy, myomectomy, initial placement of apical-aortic conduit (LV to aorta conduit replacement would be coded as conduit reoperation), Vouhé aortoventriculoplasty (aortic annular incision at commissure of left and right coronary cusps is carried down to the septum and RV infundibulum; septal muscle is resected, incisions are closed, and the aortic annulus is reconstituted), or other aortoventriculoplasty techniques.

2100	Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS	
790	Aortic stenosis, Supravalvar, Repair	Repair of supravalvar aortic stenosis involving all techniques of patch aortoplasty and aortoplasty involving the use of all autologous tissue. In simple patch aortoplasty a diamond-shaped patch may be used, in the Doty technique an extended patch is placed (Y- shaped patch, incision carried into two sinuses), and in the Brom repair the ascending aorta is transected, any fibrous ridge is resected, and the three sinuses are patched separately.
800	Valve surgery, Other, Aortic	Other aortic valve surgery not specified in other procedure codes.
810	Sinus of Valsalva, Aneurysm repair	Sinus of Valsalva aneurysm repair can be organized by site of aneurysm (left, right or noncoronary sinus), type of repair (suture, patch graft, or root repair by tube graft or valved conduit), and approach used (from chamber of origin (aorta) or from chamber of penetration (LV, RV, PA, left or right atrium, etc.). Aortic root replacement procedures in association with sinus of Valsalva aneurysm repairs are usually for associated uncorrectable aortic insufficiency or multiple sinus involvement and the aortic root replacement procedure should also be listed. Additional procedures also performed at the time of sinus of Valsalva aneurysm repair include but are not limited to VSD closure, repair or replacement of aortic valve, and coronary reconstruction; these procedures should also be coded separately from the sinus of Valsalva aneurysm repair.
820	LV to aorta tunnel repair	LV to aorta tunnel repair can be accomplished by suture, patch, or both, and may require reimplantation of the right coronary artery. Associated coronary artery procedures should be coded separately from the LV to aorta tunnel repair.
830	Valvuloplasty, Mitral	Repair of mitral valve including, but not limited to: valvotomy (closed or open heart), cleft repair, annuloplasty with or without ring, chordal reconstruction, commissuorotomy, leaflet repair, or papillary muscle repair.
2260	Valvuloplasty converted to valve replacement in the same operation, Mitral	
840	Mitral stenosis, Supravalvar mitral ring repair	Supravalvar mitral ring repair.
850	Valve replacement, Mitral (MVR)	Replacement of mitral valve with prosthetic valve, any kind, in suprannular or annular position.
860	Valve surgery, Other, Mitral	Other mitral valve surgery not specified in procedure codes.
870	Norwood procedure	The Norwood operation is synonymous with the term

		<ul> <li>'Norwood (Stage 1)' and is defined as an aortopulmonary connection and neoaortic arch construction resulting in univentricular physiology and pulmonary blood flow controlled with a calibrated systemic-to-pulmonary artery shunt, or a right ventricle to pulmonary artery conduit, or rarely, a cavopulmonary connection.</li> <li>When coding the procedure "Norwood procedure", the primary procedure of the operation should be "Norwood procedure". The second procedure (Procedure 2 after the Norwood procedure) must then document the source of pulmonary blood flow and be chosen from the following eight choices:</li> <li>1. Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)</li> <li>2. Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)</li> <li>3. Shunt, Systemic to pulmonary other</li> <li>4. Conduit placement, RV to PA</li> <li>5. Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)</li> <li>6. Glenn (unidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)</li> <li>8. HemiFontan</li> </ul>
880	HLHS biventricular repair	Performed in patients who have small but adequately sized ventricles to support systemic circulation. These patients usually have small, but not stenotic, aortic and/or mitral valves. Primary biventricular repair has consisted of extensive aortic arch and ascending aorta enlargement with a patch, closure of interventricular and interatrial communications, and conservative approach for left ventricular outflow tract obstruction (which may include mitral stenosis at any level, subaortic stenosis, aortic stenosis, aortic arch hypoplasia, coarctation, or interrupted aortic arch). Concurrent operations (e.g., coarctation repair, aortic valve repair or replacement, etc.) can be coded separately within the database.
2160	Hybrid Approach "Stage 1", Application of RPA & LPA bands	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures".
2170	Hybrid Approach "Stage 1", Stent placement in arterial	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional

	duct (PDA)	approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
2180	Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".
2140	Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.
2150	Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures". It should be acknowledged that a Hybrid approach "Stage 2" (Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding, with or without Aortic arch repair) gets its name not because it has any actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.

890	Transplant, Heart	Heart transplantation, any technique, allograft or xenograft.
900	Transplant, Heart and lung	Heart and lung (single or double) transplantation.
910	Partial left ventriculectomy (LV volume reduction surgery) (Batista)	Wedge resection of LV muscle, with suturing of cut edges together, to reduce LV volume.
920	Pericardial drainage procedure	Pericardial drainage can include a range of therapies including, but not limited to: pericardiocentesis, pericardiostomy tube placement, pericardial window creation, and open pericardial drainage (pericardiotomy).
930	Pericardiectomy	Surgical removal of the pericardium.
940	Pericardial procedure, Other	Other pericardial procedures that include, but are not limited to: pericardial reconstruction for congenital absence of the pericardium, pericardial biopsy, pericardial mass or cyst excision.
950	Fontan, Atrio-pulmonary connection	Fontan-type procedure with atrio-pulmonary connection.
960	Fontan, Atrio-ventricular connection	Fontan-type procedure with atrio-ventricular connection, either direct or with RA-RV conduit, valved or nonvalved.
970	Fontan, TCPC, Lateral tunnel, Fenestrated	Total cavopulmonary connection using an intraatrial lateral tunnel construction, with fenestration.
980	Fontan, TCPC, Lateral tunnel, Nonfenestrated	Total cavopulmonary connection using an intraatrial lateral tunnel construction, with no fenestration.
1000	Fontan, TCPC, External conduit, Fenestrated	Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with fenestration.
1010	Fontan, TCPC, External conduit, Nonfenestrated	Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with no fenestration.
1025	Fontan revision or conversion (Re-do Fontan)	Revision of a previous Fontan procedure to a total cavopulmonary connection.
1030	Fontan, Other	Other Fontan procedure not specified in procedure codes. May include takedown of a Fontan procedure.
2340	Fontan + Atrioventricular valvuloplasty	
1035	Ventricular septation	Creation of a prosthetic ventricular septum. Surgical procedure used to septate univentricular hearts with two atrioventricular valves. Additional procedures, such as resection of subpulmonic stenosis, should be listed separately.
1050	Congenitally corrected TGA repair, Atrial switch and ASO (double switch)	Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and arterial switch operation. VSD closure is usually performed as well; this should be coded separately.
1060	Congenitally corrected TGA	Repair of congenitally corrected TGA by concomitant

r Senning) and VSD closure to cement of an RV-to-PA conduit. orrected TGA by VSD closure
orrected TGA by VSD closure
orrected TGA by VSD closure -to-PA conduit.
ection of CCTGA not other listed procedure codes.
n is used for repair of at arteries (TGA). The orta are transected and pulmonary artery arises from the orta from the left ventricle. is also accomplished.
n is used for repair of at arteries (TGA). The orta are transected and pulmonary artery arises from the orta from the left ventricle. • is also accomplished. The with a patch.
itch operation and repair of the ith transposition of the great ricular septum and associated or interrupted aortic arch.
itch operation with VSD closure in patients with transposition of SD and associated coarctation ed aortic arch.
for rerouting of venous flow in ological repair". The caval flow affle to the mitral valve, left a artery while the pulmonary in front of the baffle to the ntricle, and aorta. The Senning ill to construct the baffle.
for rerouting of venous flow in ological repair". The caval flow affle to the mitral valve, left artery while pulmonary venous of the baffle to the tricuspid and aorta. The Mustard procedure onstruct the baffle.
trial baffle procedure (either r any reason (e.g., obstruction,
ents with TGA-VSD and Rastelli operation consists of an

1160 REV

LV-to-aorta intraventricular baffle closure of the VSD and placement of an RV-to-PA conduit.

The Lecompte (REV) intraventricular repair is designed for patients with abnormalities of ventriculoarterial connection in whom a standard intraventricular tunnel repair cannot be performed. It is also suitable for patients in whom an arterial switch procedure with tunneling of the VSD to the pulmonary artery cannot be performed because of pulmonary (left ventricular outflow tract) stenosis. A right ventriculotomy incision is made. The infundibular (conal) septum, located between the two semilunar valves, is aggressively resected if its presence interferes with the construction of a tunnel from the VSD to the aorta. The VSD is then tunneled to the aorta. The decision to perform or not to perform the Lecompte maneuver should be made at the beginning of the operation. If the Lecompte maneuver is not performed the pulmonary artery is translocated to the right ventricular outflow tract on the side of the aorta that provides the shortest route. (When the decision to perform the Lecompte maneuver has been made, the great vessels are transected and this maneuver is performed at the beginning of the operation.) The pulmonary artery orifice is then closed. The aorta, if it had been transected during the performance of the Lecompte maneuver, is then reconstructed. A vertical incision is made on the anterior aspect of the main pulmonary artery. The posterior margin of the pulmonary artery is sutured to the superior aspect of the vertical right ventriculotomy incision. A generous patch of autologous pericardium is used to close the inferior portion of the right ventriculotomy and the anterior portion of the pulmonary artery. A monocusp pericardial valve is inserted extemporaneously.

- 2190 Aortic root translocation over left ventricle (Including Nikaidoh procedure)
- 2210 TGA, Other procedures (Kawashima, LV-PA conduit, other)
- 1180 DORV, Intraventricular tunnel repair

1200 DOLV repair

Repair of DORV using a tunnel closure of the VSD to the aortic valve. This also includes the posterior straight tunnel repair of Kawashima

Because of the morphologic variability of DOLV, there are many approaches to repair, including: intraventricular tunnel repair directing the VSD to the pulmonary valve, the REV procedure, or the Rastelli procedure. In the case of DOLV use this code for tunnel closure to the pulmonary valve. If the REV or Rastelli procedures are performed then use those respective codes.

1210	Coarctation repair, End to end	Repair of coarctation of aorta by excision of the coarctation segment and end-to-end circumferential anastomosis of the aorta.
1220	Coarctation repair, End to end, Extended	Repair of coarctation of the aorta by excision of the coarctation segment and end-to-end anastomosis of the oblique ends of the aorta, creating an extended anastomosis.
1230	Coarctation repair, Subclavian flap	Repair of coarctation of the aorta by ligating, dividing, and opening the subclavian artery, incising the coarctation site, and folding down the subclavian artery onto the incision in the aorta, suturing the subclavian "flap" in place, creating a roof over the area of the previous coarctation.
1240	Coarctation repair, Patch aortoplasty	Repair of coarctation of the aorta by incising the coarctation site with placement of a patch sutured in place longitudinally along the aortotomy edge.
1250	Coarctation repair, Interposition graft	Repair of coarctation of the aorta by resection of the coarctation segment and placement of a prosthetic tubular interposition graft anastomosed circumferentially to the cut ends of the aorta.
1260	Coarctation repair, Other	Any repair of coarctation not specified in procedure codes. This may include, for example, a combination of two approaches for coarctation repair or extra-anatomic bypass graft, etc.
1275	Coarctation repair + VSD repair	Coarctation of aorta repair, any technique, and simultaneous VSD repair, any type VSD, any type repair.
1280	Aortic arch repair	Aortic arch repair, any technique.
1285	Aortic arch repair + VSD repair	Aortic arch repair, any technique, and simultaneous VSD repair, any type VSD, any type repair. This includes repair of IAA with VSD.
1290	Coronary artery fistula ligation	Coronary artery fistula repair using any technique. If additional technique information may be supplied by another procedure code, please list separately (e.g., bypass graft).
1291	Anomalous origin of coronary artery from pulmonary artery repair	Repair of anomalous origin of the coronary artery (any) from the pulmonary artery, by any technique (ligation, translocation with aortic implantation, Takeuchi operation, bypass graft). If additional technique information may be supplied by another procedure code, please list separately (for example, bypass graft).
1300	Coronary artery bypass	Coronary artery bypass graft procedure, any technique (with or without CPB, venous or arterial graft, one or more grafts, etc.), for any coronary artery pathology (coronary arterial fistula, aneurysm, coronary bridging,
		atresia of left main, acquired coronary artery disease, etc.).

coronary artery from aorta

		(AAOCA) repair	
13	810	Coronary artery procedure, Other	Any coronary artery procedure not specifically listed.
13	320	Interrupted aortic arch repair	Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.
13	330	PDA closure, Surgical	Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).
13	340	PDA closure, Device	Closure of a PDA by device using transcatheter techniques.
13	860	Vascular ring repair	Repair of vascular ring (any type, except pulmonary artery sling) by any technique.
13	865	Aortopexy	Surgical fixation of the aorta to another structure (usually the posterior aspect of the sternum) to relieve compression on another vessel or structure (e.g., trachea).
13	370	Pulmonary artery sling repair	Pulmonary artery sling repair by any technique.
13	880	Aortic aneurysm repair	Aortic aneurysm repair by any technique.
13	890	Aortic dissection repair	Aortic dissection repair by any technique.
14	00	Lung biopsy	Lung biopsy, any technique.
14	10	Transplant, lung(s)	Lung or lobe transplantation of any type.
14	20	Lung procedure, Other	Included in this procedure code would be any lung procedure other than transplant, such as, but not limited to: pneumonectomy (left or right), lobectomy (any lobe), bilobectomy (two lobes), segmental lung resection (any segment), or wedge resection.
14	30	Pectus repair	Repair of pectus excavatum or carinatum by any technique.
14	140	Tracheal procedure	Any tracheal procedure, including but not limited to relief of tracheal stenosis (any means including pericardial graft, autograft insertion, homograft insertion, resection with reanastomosis, rib cartilage insertion, or slide tracheoplasty). Tracheal stent placement or balloon dilation should be coded separately.
14	150	Pacemaker implantation, Permanent	Implantation of a permanent pacemaker of any type (e.g., single-chamber, dual-chamber, atrial antitachycardia), with any lead configuration or type (atrial, ventricular, atrial and ventricular, transvenous, epicardial, transmural), by any technique (sternotomy, thoracotomy etc).
14	60	Pacemaker procedure	Any revision to a previously placed pacemaker system including revisions to leads, generators, pacemaker pockets. This may include explantation of pacemakers or leads as well.
22	250	Explantation of paging system	

2350 Explantation of pacing system

147	70 ICD (AICD) implantation	Implantation of an (automatic) implantable cardioverter defibrillator system.
148	30 ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure	Any revision to a previously placed AICD including revisions to leads, pads, generators, pockets. This may include explantation procedures as well.
149	0 Arrhythmia surgery - atrial, Surgical Ablation	Surgical ablation (any type) of any atrial arrhythmia.
150	00 Arrhythmia surgery - ventricular, Surgical Ablation	Surgical ablation (any type) of any ventricular arrhythmia.
250	0 Cardiovascular catheterization procedure, Diagnostic	
252	20 Cardiovascular catheterization procedure, Diagnostic, Angiographic data obtained	
255	50 Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration	
254	<ul> <li>Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration</li> </ul>	
251	0 Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained	
253	80 Cardiovascular catheterization procedure, Diagnostic, Transluminal test occlusion	
241	0 Cardiovascular catheterization procedure, Therapeutic	
267	70 Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy	
154	O Cardiovascular catheterization procedure, Therapeutic, Balloon dilation	
259	0 Cardiovascular catheterization procedure, Therapeutic, Balloon valvotomy	
158	80 Cardiovascular	

catheterization procedure, Therapeutic, Coil implantation

- 1560 Cardiovascular catheterization procedure, Therapeutic, Device implantation
- 2640 Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication)
- 2580 Cardiovascular catheterization procedure, Therapeutic, Septostomy
- 1550 Cardiovascular catheterization procedure, Therapeutic, Stent insertion
- 2630 Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation
- 2650 Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion
- 2660 Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve
- 2680 Cardiovascular electrophysiological catheterization procedure
- 2690 Cardiovascular electrophysiological catheterization procedure, Therapeutic ablation
- 1590 Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)
- 1600 Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)
- 1610 Shunt, Systemic to pulmonary, Other

Placement of a tube graft from a branch of the aortic arch to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

A direct anastomosis or placement of a tube graft from the aorta to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

Placement of any other systemic-to-pulmonary artery shunt, with or without bypass, from any approach (thoracotomy, sternotomy) that is not otherwise coded. Includes classic Blalock-Taussig systemic-to-pulmonary artery shunt.

1630	Shunt, Ligation and takedown	Takedown of any shunt.
2095	Shunt, Reoperation	
1640	PA banding (PAB)	Placement of a pulmonary artery band, any type.
1650	PA debanding	Debanding of pulmonary artery. Please list separately any pulmonary artery reconstruction required.
1660	Damus-Kaye-Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction)	In the Damus-Kaye-Stansel procedure the proximal transected main pulmonary artery is connected by varying techniques to the aorta.
1670	Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)	Superior vena cava to pulmonary artery anastomosis allowing flow to both pulmonary arteries with an end-to- side superior vena-to-pulmonary artery anastomosis.
1680	Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)	Superior vena cava to ipsilateral pulmonary artery anastomosis (i.e., LSVC to LPA, RSVC to RPA).
1690	Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)	Bilateral superior vena cava-to-pulmonary artery anastomoses (requires bilateral SVCs).
1700	HemiFontan	A HemiFontan is an operation that includes a bidirectional superior vena cava (SVC)-to-pulmonary artery anastomosis and the connection of this "SVC- pulmonary artery amalgamation" to the atrium, with a " dam" between this "SVC-pulmonary artery amalgamation" and the atrium. This operation can be accomplished with a variety of operative strategies including the following two techniques and other techniques that combine elements of both of these approaches: (1) Augmenting both branch pulmonary arteries with a patch and suturing the augmented branch pulmonary arteries to an incision in the medial aspect of the superior vena cava. (With this approach, the pulmonary artery patch forms a roof over the SVC-to- pulmonary artery anastomosis and also forms a "dam" between the SVC-pulmonary artery amalgamation and the right atrium.) (2) Anastomosing both ends of the divided SVC to incisions in the top and bottom of the right pulmonary artery, and using a separate patch to close junction of the SVC and the right atrium.
2330	Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty	
2130	Superior Cavopulmonary anastomosis(es) + PA reconstruction	

- 1710 Palliation, Other
- 2360 ECMO cannulation

Any other palliative procedure not specifically listed.

2370	ECMO decannulation	
1910	ECMO procedure	Any ECMO procedure (cannulation, decannulation, etc.).
1900	Intraaortic balloon pump (IABP) insertion	Insertion of intraaortic balloon pump by any technique.
1920	Right/left heart assist device procedure	Any right, left, or biventricular assist device procedure (placement, removal etc.).
2390	VAD explantation	
2380	VAD implantation	
2420	Echocardiography procedure, Sedated transesophageal echocardiogram	
2430	Echocardiography procedure, Sedated transthoracic echocardiogram	
2435	Non-cardiovascular, Non- thoracic procedure on cardiac patient with cardiac anesthesia	
2440	Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan)	
2450	Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI)	
2460	Radiology procedure on cardiac patient, Diagnostic radiology	
2470	Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient	
2480	Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient	
2490	Interventional radiology procedure on cardiac patient	
1720	Aneurysm, Ventricular, Right, Repair	Repair of right ventricular aneurysm, any technique.
1730	Aneurysm, Ventricular, Left, Repair	Repair of left ventricular aneurysm, any technique.
1740	Aneurysm, Pulmonary artery, Repair	Repair of pulmonary artery aneurysm, any technique.
1760	Cardiac tumor resection	Resection of cardiac tumor, any type.

1780	Pulmonary AV fistula repair/occlusion	Repair or occlusion of a pulmonary arteriovenous fistula.
1790	Ligation, Pulmonary artery	Ligation or division of the pulmonary artery. Most often performed as a secondary procedure.
1802	Pulmonary embolectomy, Acute pulmonary embolus	Acute pulmonary embolism (clot) removal, through catheter or surgery.
1804	Pulmonary embolectomy, Chronic pulmonary embolus	Chronic pulmonary embolism (clot) removal, through catheter or surgery.
1810	Pleural drainage procedure	Pleural drainage procedure via thoracocentesis, tube thoracostomy, or open surgical drainage.
1820	Pleural procedure, Other	Other pleural procedures not specifically listed; may include pleurodesis (mechanical, talc, antibiotic or other), among others.
1830	Ligation, Thoracic duct	Ligation of the thoracic duct; most commonly for persistent chylothorax.
1840	Decortication	Decortication of the lung by any technique.
1850	Esophageal procedure	Any procedure performed on the esophagus.
1860	Mediastinal procedure	Any non-cardiovascular mediastinal procedure not otherwise listed.
1870	Bronchoscopy	Bronchoscopy, rigid or flexible, for diagnostic, biopsy, or treatment purposes (laser, stent, dilation, lavage).
1880	Diaphragm plication	Plication of the diaphragm; most often for diaphragm paralysis due to phrenic nerve injury.
1890	Diaphragm procedure, Other	Any diaphragm procedure not specifically listed.
1930	VATS (video-assisted thoracoscopic surgery)	Video-assisted thoracoscopic surgery utilized; this code should be used in addition to the specific procedure code (e.g., if PDA ligated using VATS technique, PDA ligation should be primary procedure, VATS should be secondary procedure).
1940	Minimally invasive procedure	Any procedure using minimally invasive technique; this code should be used in addition to the specific procedure code (e.g., if ASD closed using minimally invasive technique, ASD repair should be primary procedure, minimally invasive procedure should be listed additionally).
1950	Bypass for noncardiac lesion	Use of cardiopulmonary bypass for noncardiac lesion; this code may be used in addition to the specific procedure code if one is available (e.g., tracheal procedures may be done using CPB - the tracheal procedure should be the primary procedure and use of cardiopulmonary bypass for noncardiac lesion should be listed additionally).
1960	Delayed sternal closure	Sternal closure effected after patient has left operating room with sternum open, either because of swelling or electively after complex heart procedures. This procedure should be operative type No CPB Cardiovascular.

STS Adult Car	diac Dat	abase	Version: 2.73
	1970	Mediastinal exploration	Mediastinal exploration, most often for postoperative control of bleeding or tamponade, but may be exploration to assess mediastinal mass, etc.
	1980	Sternotomy wound drainage	Drainage of the sternotomy wound.
	1990	Thoracotomy, Other	Any procedure performed through a thoracotomy incision not otherwise listed.
	2000	Cardiotomy, Other	Any procedure involving an incision in the heart that is not otherwise listed.
	2010	Cardiac procedure, Other	Any cardiac procedure, bypass or non-bypass, that is not otherwise listed.
	2020	Thoracic and/or mediastinal procedure, Other	Any thoracic and/or mediastinal procedure not otherwise listed.
	2030	Peripheral vascular procedure, Other	Any peripheral vascular procedure; may include procedures such as femoral artery repair, iliac artery repair, etc.
	2040	Miscellaneous procedure, Other	Any miscellaneous procedure not otherwise listed.
	2050	Organ procurement	Procurement of an organ for transplant (most likely, heart, lungs, or heart and lungs).
	7777	Other procedure	Any procedure on any organ system not otherwise listed.
Long Name:	Other	Card-Congenital Procedure 3	<i>SeqNo:</i> 5360
Short Name:	OCar	CongProc3	Core: Yes
Section Name.	Other	Cardiac Procedures	Harvest: Yes
DBTableName	e Adult	Data	
Definition: I	ndicate	the third of the three most sign	ificant congenital procedures.
LowValue:		UsualRangeLow:	ACCField: Not mapped
HighValue:		UsualRangeHigh:	ReportField: NQFField:
.,			ModelField: PQRIField:
Parent Long N	lame: (	Other Card-Congenital	Format: Text (categorical values specified by STS)
ParentShortNo	ame: C	CarCong	DataLength:
ParentValue:	=	"Yes"	Data Source: User
Harvest	t Codes	and Value Definitions:	
	Code:	Value:	Definition:
	10	PFO, Primary closure	Suture closure of patent foramen ovale (PFO).

30	ASD repair, Patch	Patch closure (using any type of patch material) of secundum, coronary sinus, or sinus venosus ASD.
40	ASD repair, Device	Closure of any type ASD (including PFO) using a

20 ASD repair, Primary closure

Suture closure of secundum (most frequently), coronary

sinus, sinus venosus or common atrium ASD.

		device.
2110	ASD repair, Patch + PAPVC repair	
50	ASD, Common atrium (single atrium), Septation	Septation of common (single) atrium using any type patch material.
60	ASD creation/enlargement	Creation of an atrial septal defect or enlargement of an existing atrial septal defect using a variety of modalities including balloon septostomy, blade septostomy, or surgical septectomy. Creation may be accomplished with or without use of cardiopulmonary bypass.
70	ASD partial closure	Intentional partial closure of any type ASD (partial suture or fenestrated patch closure).
80	Atrial septal fenestration	Creation of a fenestration (window) in the septum between the atrial chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the atrial septum.
85	Atrial fenestration closure	Closure of previously created atrial fenestration using any method including device, primary suture, or patch.
100	VSD repair, Primary closure	Suture closure of any type VSD.
110	VSD repair, Patch	Patch closure (using any type of patch material) of any type VSD.
120	VSD repair, Device	Closure of any type VSD using a device.
130	VSD, Multiple, Repair	Closure of more than one VSD using any method or combination of methods. Further information regarding each type of VSD closed and method of closure can be provided by additionally listing specifics for each VSD closed. In the case of multiple VSDs in which only one is closed the procedure should be coded as closure of a single VSD. The fundamental diagnosis, in this case, would be "VSD, Multiple" and a secondary diagnosis can be the morphological type of VSD that was closed at the time of surgery.
140	VSD creation/enlargement	Creation of a ventricular septal defect or enlargement of an existing ventricular septal defect.
150	Ventricular septal fenestration	Creation of a fenestration (window) in the septum between the ventricular chambers. Usually performed using a hole punch, creating a specifically sized communication in patch material placed on the ventricular septum.
170	AVC (AVSD) repair, Complete (CAVSD)	Repair of complete AV canal (AVSD) using one- or two-patch or other technique, with or without mitral valve cleft repair.
180	AVC (AVSD) repair, Intermediate (Transitional)	Repair of intermediate AV canal (AVSD) using ASD and VSD patch, or ASD patch and VSD suture, or other technique, with or without mitral valve cleft repair.
190	AVC (AVSD) repair, Partial (Incomplete) (PAVSD)	Repair of partial AV canal defect (primum ASD), any technique, with or without repair of cleft mitral valve.

2300	Valvuloplasty, Common atrioventricular valve	
2250	Valvuloplasty converted to valve replacement in the same operation, Common atrioventricular valve	
2230	Valve replacement, Common atrioventricular valve	
210	AP window repair	Repair of AP window using one- or two-patch technique with cardiopulmonary bypass; or, without cardiopulmonary bypass, using transcatheter device or surgical closure.
220	Pulmonary artery origin from ascending aorta (hemitruncus) repair	Repair of pulmonary artery origin from the ascending aorta by direct reimplantation, autogenous flap, or conduit, with or without use of cardiopulmonary bypass.
230	Truncus arteriosus repair	Truncus arteriosus repair that most frequently includes patch VSD closure and placement of a conduit from RV to PA. In some cases, a conduit is not placed but an RV to PA connection is made by direct association. Very rarely, there is no VSD to be closed. Truncal valve repair or replacement should be coded separately (Valvuloplasty, Truncal valve; Valve replacement, Truncal valve), as would be the case as well with associated arch anomalies requiring repair (e.g., Interrupted aortic arch repair).
240	Valvuloplasty, Truncal valve	Truncal valve repair, any type.
2290	Valvuloplasty converted to valve replacement in the same operation, Truncal valve	
250	Valve replacement, Truncal valve	Replacement of the truncal valve with a prosthetic valve.
2220	Truncus + Interrupted aortic arch repair (IAA) repair	
260	PAPVC repair	PAPVC repair revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed.
270	PAPVC, Scimitar, Repair	In scimitar syndrome, PAPVC repair also revolves around whether an intracardiac baffle is created to redirect pulmonary venous return to the left atrium or if the anomalous pulmonary vein is translocated and connected to the left atrium directly. If there is an associated ASD and it is closed, that procedure should also be listed. Occasionally an ASD is created; this procedure also must be listed separately. Concomitant thoracic procedures (e.g., lobectomy, pneumonectomy) should also be included in the procedures listing.

2120	PAPVC repair, Baffle redirection to left atrium with systemic vein translocation (Warden) (SVC sewn to right atrial appendage)	
280	TAPVC repair	Repair of TAPVC, any type. Issues surrounding TAPVC repair involve how the main pulmonary venous confluence anastomosis is fashioned, whether an associated ASD is closed or left open or enlarged (ASD closure and enlargement may be listed separately), and whether, particularly in mixed type TAPVC repair, an additional anomalous pulmonary vein is repaired surgically.
2200	TAPVC repair + Shunt - systemic-to-pulmonary	
290	Cor triatriatum repair	Repair of cor triatriatum. Surgical decision making revolves around the approach to the membrane creating the cor triatriatum defect, how any associated ASD is closed, and how any associated anomalous pulmonary vein connection is addressed. Both ASD closure and anomalous pulmonary venous connection may be listed as separate procedures.
300	Pulmonary venous stenosis repair	Repair of pulmonary venous stenosis, whether congenital or acquired. Repair can be accomplished with a variety of approaches: sutureless, patch venoplasty, stent placement, etc.
310	Atrial baffle procedure (non- Mustard, non-Senning)	The atrial baffle procedure code is used primarily for repair of systemic venous anomalies, as in redirection of left superior vena cava drainage to the right atrium.
330	Anomalous systemic venous connection repair	With the exception of atrial baffle procedures (harvest code 310), anomalous systemic venous connection repair includes a range of surgical approaches, including, among others: ligation of anomalous vessels, reimplantation of anomalous vessels (with or without use of a conduit), or redirection of anomalous systemic venous flow through directly to the pulmonary circulation (bidirectional Glenn to redirect LSVC or RSVC to left or right pulmonary artery, respectively).
340	Systemic venous stenosis repair	Stenosis or obstruction of a systemic vein (most commonly SVC or IVC) may be relieved with patch or conduit placement, excision of the stenotic area with primary reanastomosis or direct reimplantation.
350	TOF repair, No ventriculotomy	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), without use of an incision in the infundibulum of the right ventricle for exposure. In most cases this would be a transatrial and transpulmonary artery approach to repair the VSD and relieve the pulmonary stenosis. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be

		considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
360	TOF repair, Ventriculotomy, Nontransanular patch	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision, but without placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
370	TOF repair, Ventriculotomy, Transanular patch	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with use of a ventriculotomy incision and placement of a trans-pulmonary annulus patch. If the main pulmonary artery incision is extended proximally through the pulmonary annulus, this must be considered "transannular" and thus a ventricular incision, though the length of the incision onto the ventricle itself may be minimal.
380	TOF repair, RV-PA conduit	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with placement of a right ventricle-to-pulmonary artery conduit. In this procedure the major components of pulmonary stenosis are relieved with placement of the RV-PA conduit.
390	TOF - AVC (AVSD) repair	Tetralogy of Fallot repair (assumes VSD closure and relief of pulmonary stenosis at one or more levels), with repair of associated AV canal defect. Repair of associated atrial septal defect or atrioventricular valve repair(s) should be listed as additional or secondary procedures under the primary TOF-AVC procedure.
400	TOF - Absent pulmonary valve repair	Repair of tetralogy of Fallot with absent pulmonary valve complex. In most cases this repair will involve pulmonary valve replacement (pulmonary or aortic homograft, porcine, other) and reduction pulmonary artery arterioplasty.
420	Pulmonary atresia - VSD (including TOF, PA) repair	For patients with pulmonary atresia with ventricular septal defect without MAPCAs, including those with tetralogy of Fallot with pulmonary atresia, repair may entail either a tetralogy-like repair with transannular patch placement, a VSD closure with placement of an RV-PA conduit, or an intraventricular tunnel VSD closure with transannular patch or RV-PA conduit placement. To assure an accurate count of repairs of pulmonary atresia-VSD without MAPCAs, even if a tetralogy-type repair or Rastelli-type repair is used, the pulmonary atresia-VSD code should be the code used, not Rastelli procedure or tetralogy of Fallot repair with transannular patch.

430	Pulmonary atresia - VSD - MAPCA (pseudotruncus) repair	In the presence of MAPCAs, this code implies implies pulmonary unifocalization (multi- or single-stage), repair of VSD (may be intraventricular tunnel or flat patch VSD closure), and placement of an RV-PA conduit.
440	Unifocalization MAPCA(s)	Anastomosis of aortopulmonary collateral arteries into the left, right, or main pulmonary artery or into a tube graft or other type of confluence. The unifocalization procedure may be done on or off bypass.
450	Occlusion MAPCA(s)	Occlusion, or closing off, of MAPCAs. This may be done with a transcatheter occluding device, usually a coil, or by surgical techniques.
460	Valvuloplasty, Tricuspid	Reconstruction of the tricuspid valve may include but not be limited to a wide range of techniques including: leaflet patch extension, artificial chordae placement, papillary muscle transplocation with or without detachment. Annuloplasty techniques that may be done solely or in combination with leaflet, chordae or muscle repair to achieve a competent valve include: eccentric annuloplasty, Kay annular plication, purse-string annuloplasty (including semicircular annuloplasty), sliding annuloplasty, and annuloplasty with ring placement. Do not use this code if tricuspid valve malfunction is secondary to Ebstein's anomaly; instead use the Ebstein's repair procedure code.
2280	Valvuloplasty converted to valve replacement in the same operation, Tricuspid	
465	Ebstein's repair	To assure an accurate count of repairs of Ebstein's anomaly of the tricuspid valve, this procedure code was included. Repair of Ebstein's anomaly may include, among other techniques, repositioning of the tricuspid valve, plication of the atrialized right ventricle, or right reduction atrioplasty. Often associated ASD's may be closed and arrhythmias addressed with surgical ablation procedures. These procedures should be entered as separate procedure codes.
470	Valve replacement, Tricuspid (TVR)	Replacement of the tricuspid valve with a prosthetic valve.
480	Valve closure, Tricuspid (exclusion, univentricular approach)	In a functional single ventricle heart, the tricuspid valve may be closed using a patch, thereby excluding the RV. Tricuspid valve closure may be used for infants with Ebstein's anomaly and severe tricuspid regurgitation or in patients with pulmonary atresia-intact ventricular septum with sinusoids.
490	Valve excision, Tricuspid (without replacement)	Excision of the tricuspid valve without placement of a valve prosthesis.
500	Valve surgery, Other, Tricuspid	Other tricuspid valve surgery not specified in procedure codes.
510	RVOT procedure	Included in this procedural code would be all RVOT

		procedures not elsewhere specified in the nomenclature system. These might be, among others: resection of subvalvar pulmonary stenosis (not DCRV type; may be localized fibrous diaphragm or high infundibular stenosis), right ventricular patch augmentation, or reduction pulmonary artery arterioplasty.
520	1 1/2 ventricular repair	Partial biventricular repair; includes intracardiac repair with bidirectional cavopulmonary anastomosis to volume unload a small ventricle or poorly functioning ventricle.
530	PA, reconstruction (plasty), Main (trunk)	Reconstruction of the main pulmonary artery trunk commonly using patch material. If balloon angioplasty is performed or a stent is placed in the main pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If MPA reconstruction is performed with PA debanding, both codes should be listed.
540	PA, reconstruction (plasty), Branch, Central (within the hilar bifurcation)	Reconstruction of the right or left branch (or both right and left) pulmonary arteries (within the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code. If, rarely, branch PA banding (single or bilateral) was performed in the past and reconstruction is performed associated with debanding, both codes should be listed.
550	PA, reconstruction (plasty), Branch, Peripheral (at or beyond the hilar bifurcation)	Reconstruction of the peripheral right or left branch (or both right and left) pulmonary arteries (at or beyond the hilar bifurcation) commonly using patch material. If balloon angioplasty is performed or a stent is placed in the right or left (or both) peripheral pulmonary artery intraoperatively, this code may be used in addition to the balloon dilation or stent placement code.
570	DCRV repair	Surgical repair of DCRV combines relief of the low infundibular stenosis (via muscle resection) and closure of a VSD when present. A ventriculotomy may be required and is repaired by patch enlargement of the infundibulum. VSD closure and patch enlargement of the infundibulum, if done, should be listed as separate procedure codes.
590	Valvuloplasty, Pulmonic	Valvuloplasty of the pulmonic valve may include a range of techniques including but not limited to: valvotomy with or without bypass, commissurotomy, and valvuloplasty.
2270	Valvuloplasty converted to valve replacement in the same operation, Pulmonic	
600	Valve replacement, Pulmonic (PVR)	Replacement of the pulmonic valve with a prosthetic valve. Care must be taken to differentiate between

		homograft pulmonic valve replacement and placement of a homograft RV-PA conduit.
630	Valve excision, Pulmonary (without replacement)	Excision of the pulmonary valve without placement of a valve prosthesis.
640	Valve closure, Semilunar	Closure of a semilunar valve (pulmonic or aortic) by any technique.
650	Valve surgery, Other, Pulmonic	Other pulmonic valve surgery not specified in procedure codes.
610	Conduit placement, RV to PA	Placement of a conduit, any type, from RV to PA.
620	Conduit placement, LV to PA	Placement of a conduit, any type, from LV to PA.
1774	Conduit placement, Ventricle to aorta	Placement of a conduit from the right or left ventricle to the aorta.
1772	Conduit placement, Other	Placement of a conduit from any chamber or vessel to any vessel, valved or valveless, not listed elsewhere.
580	Conduit reoperation	Conduit reoperation is the code to be used in the event of conduit failure, in whatever position (LV to aorta, LV to PA, RA to RV, RV to aorta, RV to PA, etc.), and from whatever cause (somatic growth, stenosis, insufficiency, infection, etc).
660	Valvuloplasty, Aortic	Valvuloplasty of the aortic valve for stenosis and/or insufficiency including, but not limited to the following techniques: valvotomy (open or closed), commissurotomy, aortic valve suspension, leaflet (left, right or noncoronary) partial resection, reduction, or leaflet shaving, extended valvuloplasty (freeing of leaflets, commissurotomy, and extension of leaflets using autologous or bovine pericardium), or annuloplasty (partial - interrupted or noncircumferential sutures, or complete - circumferential sutures).
2240	Valvuloplasty converted to valve replacement in the same operation, Aortic	
2310	Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross procedure	
2320	Valvuloplasty converted to valve replacement in the same operation, Aortic – with Ross- Konno procedure	
670	Valve replacement, Aortic (AVR)	Replacement of the aortic valve with a prosthetic valve (mechanical, bioprosthetic, or homograft). Use this code only if type of valve prosthesis is unknown or does not fit into the specific valve replacement codes available. Autograft valve replacement should be coded as a Ross procedure.
680	Valve replacement, Aortic (AVR), Mechanical	Replacement of the aortic valve with a mechanical prosthetic valve.

690	Valve replacement, Aortic (AVR), Bioprosthetic	Replacement of the aortic valve with a bioprosthetic prosthetic valve.
700	Valve replacement, Aortic (AVR), Homograft	Replacement of the aortic valve with a homograft prosthetic valve.
715	Aortic root replacement, Bioprosthetic	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a bioprosthesis (e.g., porcine) in a conduit, often composite.
720	Aortic root replacement, Mechanical	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a mechnical prosthesis in a composite conduit.
730	Aortic root replacement, Homograft	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) with a homograft.
735	Aortic root replacement, Valve sparing	Replacement of the aortic root (that portion of the aorta attached to the heart; it gives rise to the coronary arteries) without replacing the aortic valve (using a tube graft).
740	Ross procedure	Replacement of the aortic valve with a pulmonary autograft and replacement of the pulmonary valve with a homograft conduit.
750	Konno procedure	Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty. Components of the surgery include a longitudinal incision in the aortic septum, a vertical incision in the outflow tract of the right ventricle to join the septal incision, aortic valve replacement, and patch reconstruction of the outflow tracts of both ventricles.
760	Ross-Konno procedure	Relief of left ventricular outflow tract obstruction associated with aortic annular hypoplasia, aortic valvar stenosis and/or aortic valvar insufficiency via Konno aortoventriculoplasty using a pulmonary autograft root for the aortic root replacement.
770	Other annular enlargement procedure	Techniques included under this procedure code include those designed to effect aortic annular enlargement that are not included in other procedure codes. These include the Manougian and Nicks aortic annular enlargement procedures.
780	Aortic stenosis, Subvalvar, Repair	Subvalvar aortic stenosis repair by a range of techniques including excision, excision and myotomy, excision and myomectomy, myotomy, myomectomy, initial placement of apical-aortic conduit (LV to aorta conduit replacement would be coded as conduit reoperation), Vouhé aortoventriculoplasty (aortic annular incision at commissure of left and right coronary cusps is carried down to the contum and BV infundibulum contal

down to the septum and RV infundibulum; septal

800

810

repair

830 Valvuloplasty, Mitral

muscle is resected, incisions are closed, and the aortic annulus is reconstituted), or other aortoventriculoplasty techniques.

- 2100 Aortic stenosis, Subvalvar, Repair, With myectomy for IHSS
- 790 Aortic stenosis, Supravalvar, Repair

Repair of supravalvar aortic stenosis involving all techniques of patch aortoplasty and aortoplasty involving the use of all autologous tissue. In simple patch aortoplasty a diamond-shaped patch may be used, in the Doty technique an extended patch is placed (Yshaped patch, incision carried into two sinuses), and in the Brom repair the ascending aorta is transected, any fibrous ridge is resected, and the three sinuses are patched separately.

- Valve surgery, Other, Aortic Other aortic valve surgery not specified in other procedure codes.
- Sinus of Valsalva, Aneurysm Sinus of Valsalva aneurysm repair can be organized by site of aneurysm (left, right or noncoronary sinus), type of repair (suture, patch graft, or root repair by tube graft or valved conduit), and approach used (from chamber of origin (aorta) or from chamber of penetration (LV, RV, PA, left or right atrium, etc.). Aortic root replacement procedures in association with sinus of Valsalva aneurysm repairs are usually for associated uncorrectable aortic insufficiency or multiple sinus involvement and the aortic root replacement procedure should also be listed. Additional procedures also performed at the time of sinus of Valsalva aneurysm repair include but are not limited to VSD closure, repair or replacement of aortic valve, and coronary reconstruction; these procedures should also be coded separately from the sinus of Valsalva aneurysm repair. 820 LV to aorta tunnel repair LV to aorta tunnel repair can be accomplished by
  - suture, patch, or both, and may require reimplantation of the right coronary artery. Associated coronary artery procedures should be coded separately from the LV to aorta tunnel repair.

Repair of mitral valve including, but not limited to: valvotomy (closed or open heart), cleft repair, annuloplasty with or without ring, chordal reconstruction, commissuorotomy, leaflet repair, or papillary muscle repair.

- 2260 Valvuloplasty converted to valve replacement in the same operation, Mitral
- 840 Mitral stenosis, Supravalvar Supravalvar mitral ring repair. mitral ring repair
- 850 Valve replacement, Mitral Replacement of mitral valve with prosthetic valve, any (MVR) kind, in suprannular or annular position.

in Carulac Data	abase	
860	Valve surgery, Other, Mitral	Other mitral valve surgery not specified in procedure codes.
870	Norwood procedure	<ul> <li>The Norwood operation is synonymous with the term 'Norwood (Stage 1)' and is defined as an aortopulmonary connection and neoaortic arch construction resulting in univentricular physiology and pulmonary blood flow controlled with a calibrated systemic-to-pulmonary artery shunt, or a right ventricle to pulmonary artery conduit, or rarely, a cavopulmonary connection.</li> <li>When coding the procedure "Norwood procedure", the primary procedure of the operation should be "Norwood procedure". The second procedure (Procedure 2 after the Norwood procedure) must then document the source of pulmonary blood flow and be chosen from the following eight choices:</li> <li>1. Shunt, Systemic to pulmonary, Modified Blalock- Taussig Shunt (MBTS)</li> <li>2. Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)</li> <li>3. Shunt, Systemic to pulmonary other</li> <li>4. Conduit placement, RV to PA</li> <li>5. Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)</li> <li>6. Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)</li> <li>7. Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)</li> <li>8. HemiFontan</li> </ul>
880	HLHS biventricular repair	Performed in patients who have small but adequately sized ventricles to support systemic circulation. These patients usually have small, but not stenotic, aortic and/or mitral valves. Primary biventricular repair has consisted of extensive aortic arch and ascending aorta enlargement with a patch, closure of interventricular and interatrial communications, and conservative approach for left ventricular outflow tract obstruction (which may include mitral stenosis at any level, subaortic stenosis, aortic stenosis, aortic arch hypoplasia, coarctation, or interrupted aortic arch). Concurrent operations (e.g., coarctation repair, aortic valve repair or replacement, etc.) can be coded separately within the database.
2160	Hybrid Approach "Stage 1", Application of RPA & LPA bands	A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly

2170 Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA)

- 2180 Hybrid Approach "Stage 1", Stent placement in arterial duct (PDA) + application of RPA & LPA bands
- 2140 Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Aortic arch repair (Norwood [Stage 1] + Superior Cavopulmonary anastomosis(es) + PA Debanding)

2150 Hybrid approach "Stage 2", Aortopulmonary amalgamation + Superior Cavopulmonary anastomosis(es) + PA Debanding + Without aortic arch repair

## "Hybrid Procedures".

A "Hybrid Procedure" is defined as a procedure that combines surgical and transcatheter interventional approaches. The term "Hybrid approach" is used somewhat differently than the term "Hybrid Procedure" . A "Hybrid approach" is defined as any of a group of procedures that fit into the general silo of procedures developed from the combined use of surgical and transcatheter interventional techniques. Therefore, not all procedures classified as "Hybrid approach" are truly "Hybrid Procedures".

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		actual hybrid elements, but because it is part of a planned staged approach that is typically commenced with a hybrid procedure.
890	Transplant, Heart	Heart transplantation, any technique, allograft or xenograft.
900	Transplant, Heart and lung	Heart and lung (single or double) transplantation.
910	Partial left ventriculectomy (LV volume reduction surgery) (Batista)	Wedge resection of LV muscle, with suturing of cut edges together, to reduce LV volume.
920	Pericardial drainage procedure	Pericardial drainage can include a range of therapies including, but not limited to: pericardiocentesis, pericardiostomy tube placement, pericardial window creation, and open pericardial drainage (pericardiotomy).
930	Pericardiectomy	Surgical removal of the pericardium.
940	Pericardial procedure, Other	Other pericardial procedures that include, but are not limited to: pericardial reconstruction for congenital absence of the pericardium, pericardial biopsy, pericardial mass or cyst excision.
950	Fontan, Atrio-pulmonary connection	Fontan-type procedure with atrio-pulmonary connection.
960	Fontan, Atrio-ventricular connection	Fontan-type procedure with atrio-ventricular connection, either direct or with RA-RV conduit, valved or nonvalved.
970	Fontan, TCPC, Lateral tunnel, Fenestrated	Total cavopulmonary connection using an intraatrial lateral tunnel construction, with fenestration.
980	Fontan, TCPC, Lateral tunnel, Nonfenestrated	Total cavopulmonary connection using an intraatrial lateral tunnel construction, with no fenestration.
1000	Fontan, TCPC, External conduit, Fenestrated	Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with fenestration.
1010	Fontan, TCPC, External conduit, Nonfenestrated	Total cavopulmonary connection using an external conduit to connect the infradiaphragmatic systemic venous return to the pulmonary artery, with no fenestration.
1025	Fontan revision or conversion (Re-do Fontan)	Revision of a previous Fontan procedure to a total cavopulmonary connection.
1030	Fontan, Other	Other Fontan procedure not specified in procedure codes. May include takedown of a Fontan procedure.
2340	Fontan + Atrioventricular valvuloplasty	
1035	Ventricular septation	Creation of a prosthetic ventricular septum. Surgical procedure used to septate univentricular hearts with two atrioventricular valves. Additional procedures, such as resection of subpulmonic stenosis, should be listed separately.
1050	Congenitally corrected TGA	Repair of congenitally corrected TGA by concomitant

	repair, Atrial switch and ASO (double switch)	atrial switch (Mustard or Senning) and arterial switch operation. VSD closure is usually performed as well; this should be coded separately.
1060	Congenitally corrected TGA repair, Atrial switch and Rastelli	Repair of congenitally corrected TGA by concomitant atrial switch (Mustard or Senning) and VSD closure to the aortic valve with placement of an RV-to-PA conduit.
1070	Congenitally corrected TGA repair, VSD closure	Repair of congenitally corrected TGA by VSD closure only.
1080	Congenitally corrected TGA repair, VSD closure and LV to PA conduit	Repair of congenitally corrected TGA by VSD closure and placement of an LV-to-PA conduit.
1090	Congenitally corrected TGA repair, Other	Any procedures for correction of CCTGA not otherwised specified in other listed procedure codes.
1110	Arterial switch operation (ASO)	Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished.
1120	Arterial switch operation (ASO) and VSD repair	Arterial switch operation is used for repair of transposition of the great arteries (TGA). The pulmonary artery and aorta are transected and translocated so that the pulmonary artery arises from the right ventricle and the aorta from the left ventricle. Coronary artery transfer is also accomplished. The VSD is closed, usually with a patch.
1123	Arterial switch procedure + Aortic arch repair	Concomitant arterial switch operation and repair of the aortic arch in patients with transposition of the great arteries with intact ventricular septum and associated coarctation of the aorta or interrupted aortic arch.
1125	Arterial switch procedure and VSD repair + Aortic arch repair	Concomitant arterial switch operation with VSD closure and repair of aortic arch in patients with transposition of the great arteries with VSD and associated coarctation of the aorta or interrupted aortic arch.
1130	Senning	Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while the pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Senning procedure uses atrial wall to construct the baffle.
1140	Mustard	Atrial baffle procedure for rerouting of venous flow in TGA effecting a "physiological repair". The caval flow is directed behind the baffle to the mitral valve, left ventricle and pulmonary artery while pulmonary venous flow is directed in front of the baffle to the tricuspid valve, right ventricle, and aorta. The Mustard procedure uses patch material to construct the baffle.
1145	Atrial baffle procedure,	Revision of a previous atrial baffle procedure (either

ardiac Data	abase	Version: 2.73
	Mustard or Senning revision	Mustard or Senning), for any reason (e.g., obstruction, baffle leak).
1150	Rastelli	Most often used for patients with TGA-VSD and significant LVOTO, the Rastelli operation consists of an LV-to-aorta intraventricular baffle closure of the VSD and placement of an RV-to-PA conduit.
1160	REV	The Lecompte (REV) intraventricular repair is designed for patients with abnormalities of ventriculoarterial connection in whom a standard intraventricular tunnel repair cannot be performed. It is also suitable for patients in whom an arterial switch procedure with tunneling of the VSD to the pulmonary artery cannot be performed because of pulmonary (left ventricular outflow tract) stenosis. A right ventriculotomy incision is made. The infundibular (conal) septum, located between the two semilunar valves, is aggressively resected if its presence interferes with the construction of a tunnel from the VSD to the aorta. The VSD is then tunneled to the aorta. The decision to perform or not to perform the Lecompte maneuver should be made at the beginning of the operation. If the Lecompte maneuver is not performed the pulmonary artery is translocated to the right ventricular outflow tract on the side of the aorta that provides the shortest route. (When the decision to perform the Lecompte maneuver has been made, the great vessels are transected and this maneuver is performed at the beginning of the operation.) The pulmonary artery orifice is then closed. The aorta, if it had been transected during the performance of the Lecompte maneuver, is then reconstructed. A vertical incision is made on the anterior aspect of the main pulmonary artery. The posterior margin of the pulmonary artery is sutured to the superior aspect of the vertical right ventriculotomy incision. A generous patch of autologous pericardium is used to close the inferior portion of the right ventriculotomy and the anterior portion of the pulmonary artery. A monocusp pericardial valve is inserted extemporaneously.
2190	Aortic root translocation over left ventricle (Including Nikaidoh procedure)	
2210	TGA, Other procedures (Kawashima, LV-PA conduit, other)	
1180	DORV, Intraventricular tunnel repair	Repair of DORV using a tunnel closure of the VSD to the aortic valve. This also includes the posterior straight tunnel repair of Kawashima
1200	DOLV repair	Because of the morphologic variability of DOLV, there are many approaches to repair, including: intraventricular tunnel repair directing the VSD to the pulmonary valve, the REV procedure, or the Rastelli

		procedure. In the case of DOLV use this code for tunnel closure to the pulmonary valve. If the REV or Rastelli procedures are performed then use those respective codes.
1210	Coarctation repair, End to end	Repair of coarctation of aorta by excision of the coarctation segment and end-to-end circumferential anastomosis of the aorta.
1220	Coarctation repair, End to end, Extended	Repair of coarctation of the aorta by excision of the coarctation segment and end-to-end anastomosis of the oblique ends of the aorta, creating an extended anastomosis.
1230	Coarctation repair, Subclavian flap	Repair of coarctation of the aorta by ligating, dividing, and opening the subclavian artery, incising the coarctation site, and folding down the subclavian artery onto the incision in the aorta, suturing the subclavian "flap" in place, creating a roof over the area of the previous coarctation.
1240	Coarctation repair, Patch aortoplasty	Repair of coarctation of the aorta by incising the coarctation site with placement of a patch sutured in place longitudinally along the aortotomy edge.
1250	Coarctation repair, Interposition graft	Repair of coarctation of the aorta by resection of the coarctation segment and placement of a prosthetic tubular interposition graft anastomosed circumferentially to the cut ends of the aorta.
1260	Coarctation repair, Other	Any repair of coarctation not specified in procedure codes. This may include, for example, a combination of two approaches for coarctation repair or extra-anatomic bypass graft, etc.
1275	Coarctation repair + VSD repair	Coarctation of aorta repair, any technique, and simultaneous VSD repair, any type VSD, any type repair.
1280	Aortic arch repair	Aortic arch repair, any technique.
1285	Aortic arch repair + VSD repair	Aortic arch repair, any technique, and simultaneous VSD repair, any type VSD, any type repair. This includes repair of IAA with VSD.
1290	Coronary artery fistula ligation	Coronary artery fistula repair using any technique. If additional technique information may be supplied by another procedure code, please list separately (e.g., bypass graft).
1291	Anomalous origin of coronary artery from pulmonary artery repair	Repair of anomalous origin of the coronary artery (any) from the pulmonary artery, by any technique (ligation, translocation with aortic implantation, Takeuchi operation, bypass graft). If additional technique information may be supplied by another procedure code, please list separately (for example, bypass graft).
1300	Coronary artery bypass	Coronary artery bypass graft procedure, any technique (with or without CPB, venous or arterial graft, one or more grafts, etc.), for any coronary artery pathology (coronary arterial fistula, aneurysm, coronary bridging,

		atresia of left main, acquired coronary artery disease, etc.).
1305	Anomalous aortic origin of coronary artery from aorta (AAOCA) repair	
1310	Coronary artery procedure, Other	Any coronary artery procedure not specifically listed.
1320	Interrupted aortic arch repair	Repair of interrupted aortic arch (any type) by any technique (direct anastomosis, prosthetic graft, etc). Does not include repair of IAA-VSD.
1330	PDA closure, Surgical	Closure of a PDA by any surgical technique (ligation, division, clip) using any approach (i.e., thoracotomy, thoracoscopic, etc).
1340	PDA closure, Device	Closure of a PDA by device using transcatheter techniques.
1360	Vascular ring repair	Repair of vascular ring (any type, except pulmonary artery sling) by any technique.
1365	Aortopexy	Surgical fixation of the aorta to another structure (usually the posterior aspect of the sternum) to relieve compression on another vessel or structure (e.g., trachea).
1370	Pulmonary artery sling repair	Pulmonary artery sling repair by any technique.
1380	Aortic aneurysm repair	Aortic aneurysm repair by any technique.
1390	Aortic dissection repair	Aortic dissection repair by any technique.
1400	Lung biopsy	Lung biopsy, any technique.
1410	Transplant, lung(s)	Lung or lobe transplantation of any type.
1420	Lung procedure, Other	Included in this procedure code would be any lung procedure other than transplant, such as, but not limited to: pneumonectomy (left or right), lobectomy (any lobe), bilobectomy (two lobes), segmental lung resection (any segment), or wedge resection.
1430	Pectus repair	Repair of pectus excavatum or carinatum by any technique.
1440	Tracheal procedure	Any tracheal procedure, including but not limited to relief of tracheal stenosis (any means including pericardial graft, autograft insertion, homograft insertion, resection with reanastomosis, rib cartilage insertion, or slide tracheoplasty). Tracheal stent placement or balloon dilation should be coded separately.
1450	Pacemaker implantation, Permanent	Implantation of a permanent pacemaker of any type (e.g., single-chamber, dual-chamber, atrial antitachycardia), with any lead configuration or type (atrial, ventricular, atrial and ventricular, transvenous, epicardial, transmural), by any technique (sternotomy, thoracotomy etc).
1460	Pacemaker procedure	Any revision to a previously placed pacemaker system

liac Dat	abase	Version: 2.73
		including revisions to leads, generators, pacemaker pockets. This may include explantation of pacemakers or leads as well.
2350	Explantation of pacing system	
1470	ICD (AICD) implantation	Implantation of an (automatic) implantable cardioverter defibrillator system.
1480	ICD (AICD) ([automatic] implantable cardioverter defibrillator) procedure	Any revision to a previously placed AICD including revisions to leads, pads, generators, pockets. This may include explantation procedures as well.
1490	Arrhythmia surgery - atrial, Surgical Ablation	Surgical ablation (any type) of any atrial arrhythmia.
1500	Arrhythmia surgery - ventricular, Surgical Ablation	Surgical ablation (any type) of any ventricular arrhythmia.
2500	Cardiovascular catheterization procedure, Diagnostic	
2520	Cardiovascular catheterization procedure, Diagnostic, Angiographic data obtained	
2550	Cardiovascular catheterization procedure, Diagnostic, Electrophysiology alteration	
2540	Cardiovascular catheterization procedure, Diagnostic, Hemodynamic alteration	
2510	Cardiovascular catheterization procedure, Diagnostic, Hemodynamic data obtained	
2530	Cardiovascular catheterization procedure, Diagnostic, Transluminal test occlusion	
2410	Cardiovascular catheterization procedure, Therapeutic	
2670	Cardiovascular catheterization procedure, Therapeutic, Adjunctive therapy	
1540	Cardiovascular catheterization procedure, Therapeutic, Balloon dilation	
2590	Cardiovascular	

catheterization procedure, Therapeutic, Balloon valvotomy

- 1580 Cardiovascular catheterization procedure, Therapeutic, Coil implantation
- 1560 Cardiovascular catheterization procedure, Therapeutic, Device implantation
- 2640 Cardiovascular catheterization procedure, Therapeutic, Perforation (establishing interchamber and/or intervessel communication)
- 2580 Cardiovascular catheterization procedure, Therapeutic, Septostomy
- 1550 Cardiovascular catheterization procedure, Therapeutic, Stent insertion
- 2630 Cardiovascular catheterization procedure, Therapeutic, Stent re-dilation
- 2650 Cardiovascular catheterization procedure, Therapeutic, Transcatheter Fontan completion
- 2660 Cardiovascular catheterization procedure, Therapeutic, Transcatheter implantation of valve
- 2680 Cardiovascular electrophysiological catheterization procedure
- 2690 Cardiovascular electrophysiological catheterization procedure, Therapeutic ablation
- 1590 Shunt, Systemic to pulmonary, Modified Blalock-Taussig Shunt (MBTS)
- 1600 Shunt, Systemic to pulmonary, Central (from aorta or to main pulmonary artery)
- 1610 Shunt, Systemic to

Placement of a tube graft from a branch of the aortic arch to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

A direct anastomosis or placement of a tube graft from the aorta to the pulmonary artery with or without bypass, from any approach (thoracotomy, sternotomy).

Placement of any other systemic-to-pulmonary artery

	adase	Version. 2.75
	pulmonary, Other	shunt, with or without bypass, from any approach (thoracotomy, sternotomy) that is not otherwise coded. Includes classic Blalock-Taussig systemic-to-pulmonary artery shunt.
1630	Shunt, Ligation and takedown	Takedown of any shunt.
2095	Shunt, Reoperation	
1640	PA banding (PAB)	Placement of a pulmonary artery band, any type.
1650	PA debanding	Debanding of pulmonary artery. Please list separately any pulmonary artery reconstruction required.
1660	Damus-Kaye-Stansel procedure (DKS) (creation of AP anastomosis without arch reconstruction)	In the Damus-Kaye-Stansel procedure the proximal transected main pulmonary artery is connected by varying techniques to the aorta.
1670	Bidirectional cavopulmonary anastomosis (BDCPA) (bidirectional Glenn)	Superior vena cava to pulmonary artery anastomosis allowing flow to both pulmonary arteries with an end-to- side superior vena-to-pulmonary artery anastomosis.
1680	Glenn (unidirectional cavopulmonary anastomosis) (unidirectional Glenn)	Superior vena cava to ipsilateral pulmonary artery anastomosis (i.e., LSVC to LPA, RSVC to RPA).
1690	Bilateral bidirectional cavopulmonary anastomosis (BBDCPA) (bilateral bidirectional Glenn)	Bilateral superior vena cava-to-pulmonary artery anastomoses (requires bilateral SVCs).
1700	HemiFontan	A HemiFontan is an operation that includes a bidirectional superior vena cava (SVC)-to-pulmonary artery anastomosis and the connection of this "SVC- pulmonary artery amalgamation" to the atrium, with a " dam" between this "SVC-pulmonary artery amalgamation" and the atrium. This operation can be accomplished with a variety of operative strategies including the following two techniques and other techniques that combine elements of both of these approaches: (1) Augmenting both branch pulmonary arteries with a patch and suturing the augmented branch pulmonary arteries to an incision in the medial aspect of the superior vena cava. (With this approach, the pulmonary artery patch forms a roof over the SVC-to- pulmonary artery anastomosis and also forms a "dam" between the SVC-pulmonary artery amalgamation and the right atrium.) (2) Anastomosing both ends of the divided SVC to incisions in the top and bottom of the right pulmonary artery, and using a separate patch to close junction of the SVC and the right atrium.
2330	Superior cavopulmonary	

- 2330 Superior cavopulmonary anastomosis(es) (Glenn or HemiFontan) + Atrioventricular valvuloplasty
- 2130 Superior Cavopulmonary anastomosis(es) + PA

reconstruction
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- 1710 Palliation, Other
- 2360 ECMO cannulation
- 2370 ECMO decannulation
- 1910 ECMO procedure
- 1900 Intraaortic balloon pump (IABP) insertion
- 1920 Right/left heart assist device procedure
- 2390 VAD explantation
- 2380 VAD implantation
- 2420 Echocardiography procedure, Sedated transesophageal echocardiogram
- 2430 Echocardiography procedure, Sedated transthoracic echocardiogram
- 2435 Non-cardiovascular, Nonthoracic procedure on cardiac patient with cardiac anesthesia
- 2440 Radiology procedure on cardiac patient, Cardiac Computerized Axial Tomography (CT Scan)
- 2450 Radiology procedure on cardiac patient, Cardiac Magnetic Resonance Imaging (MRI)
- 2460 Radiology procedure on cardiac patient, Diagnostic radiology
- 2470 Radiology procedure on cardiac patient, Non-Cardiac Computerized Tomography (CT) on cardiac patient
- 2480 Radiology procedure on cardiac patient, Non-cardiac Magnetic Resonance Imaging (MRI) on cardiac patient
- 2490 Interventional radiology procedure on cardiac patient
- 1720 Aneurysm, Ventricular, Right, Repair
- 1730 Aneurysm, Ventricular, Left, Repair

Any other palliative procedure not specifically listed.

Any ECMO procedure (cannulation, decannulation, etc.).

Insertion of intraaortic balloon pump by any technique.

Any right, left, or biventricular assist device procedure (placement, removal etc.).

Repair of right ventricular aneurysm, any technique.

Repair of left ventricular aneurysm, any technique.

1740	Aneurysm, Pulmonary artery, Repair	Repair of pulmonary artery aneurysm, any technique.
1760	Cardiac tumor resection	Resection of cardiac tumor, any type.
1780	Pulmonary AV fistula repair/occlusion	Repair or occlusion of a pulmonary arteriovenous fistula.
1790	Ligation, Pulmonary artery	Ligation or division of the pulmonary artery. Most often performed as a secondary procedure.
1802	Pulmonary embolectomy, Acute pulmonary embolus	Acute pulmonary embolism (clot) removal, through catheter or surgery.
1804	Pulmonary embolectomy, Chronic pulmonary embolus	Chronic pulmonary embolism (clot) removal, through catheter or surgery.
1810	Pleural drainage procedure	Pleural drainage procedure via thoracocentesis, tube thoracostomy, or open surgical drainage.
1820	Pleural procedure, Other	Other pleural procedures not specifically listed; may include pleurodesis (mechanical, talc, antibiotic or other), among others.
1830	Ligation, Thoracic duct	Ligation of the thoracic duct; most commonly for persistent chylothorax.
1840	Decortication	Decortication of the lung by any technique.
1850	Esophageal procedure	Any procedure performed on the esophagus.
1860	Mediastinal procedure	Any non-cardiovascular mediastinal procedure not otherwise listed.
1870	Bronchoscopy	Bronchoscopy, rigid or flexible, for diagnostic, biopsy, or treatment purposes (laser, stent, dilation, lavage).
1880	Diaphragm plication	Plication of the diaphragm; most often for diaphragm paralysis due to phrenic nerve injury.
1890	Diaphragm procedure, Other	Any diaphragm procedure not specifically listed.
1930	VATS (video-assisted thoracoscopic surgery)	Video-assisted thoracoscopic surgery utilized; this code should be used in addition to the specific procedure code (e.g., if PDA ligated using VATS technique, PDA ligation should be primary procedure, VATS should be secondary procedure).
1940	Minimally invasive procedure	Any procedure using minimally invasive technique; this code should be used in addition to the specific procedure code (e.g., if ASD closed using minimally invasive technique, ASD repair should be primary procedure, minimally invasive procedure should be listed additionally).
1950	Bypass for noncardiac lesion	Use of cardiopulmonary bypass for noncardiac lesion; this code may be used in addition to the specific procedure code if one is available (e.g., tracheal procedures may be done using CPB - the tracheal procedure should be the primary procedure and use of cardiopulmonary bypass for noncardiac lesion should be listed additionally).
1960	Delayed sternal closure	Sternal closure effected after patient has left operating

			room with sternum open, either because of swelling or electively after complex heart procedures. This procedure should be operative type No CPB Cardiovascular.
	1970	Mediastinal exploration	Mediastinal exploration, most often for postoperative control of bleeding or tamponade, but may be exploration to assess mediastinal mass, etc.
	1980	Sternotomy wound drainage	Drainage of the sternotomy wound.
	1990	Thoracotomy, Other	Any procedure performed through a thoracotomy incision not otherwise listed.
	2000	Cardiotomy, Other	Any procedure involving an incision in the heart that is not otherwise listed.
	2010	Cardiac procedure, Other	Any cardiac procedure, bypass or non-bypass, that is not otherwise listed.
	2020	Thoracic and/or mediastinal procedure, Other	Any thoracic and/or mediastinal procedure not otherwise listed.
	2030	Peripheral vascular procedure, Other	Any peripheral vascular procedure; may include procedures such as femoral artery repair, iliac artery repair, etc.
	2040	Miscellaneous procedure, Other	Any miscellaneous procedure not otherwise listed.
	2050	Organ procurement	Procurement of an organ for transplant (most likely, heart, lungs, or heart and lungs).
	7777	Other procedure	Any procedure on any organ system not otherwise listed.
Long Name:	Other	Card-Transmyocardial Laser R	Revascularization SeqNo: 5370
Short Name:	OCarI	-	<i>Core:</i> Yes
Section Name:	Other	Cardiac Procedures	Harvest: Yes
DBTableName	e Adult	Data	
		-	the creation of multiple channels in left ventricular conjunction with, or as the primary surgical procedure.
LowValue:		UsualRangeLow:	ACCField: Not mapped
HighValue:		UsualRangeHigh:	ReportField: Yes NQFField: No
			ModelField: No PQRIField: Yes

Format:

DataLength:

Data Source: User

Text (categorical values specified by STS)

Parent Long Name: Other Card
ParentShortName: OpOCard

*ParentValue:* = "Yes"

Harvest Codes:

Code: Value: 1 Yes

2 No

Long Name:	Other Card-Cardiac Trauma	SeqNo:	5380
Short Name:	OCarTrma	Core:	Yes
Section Name:	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient had a surgical procedure for an injury due to Cardiac Trauma either in conjunction with, or as the primary surgical procedure.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: Yes
Parent Long Name:	Other Card	Format:	Text (categorical values specified by STS)
ParentShortName:	OpOCard	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Harvest Codes:

Code: Value: 1 Yes 2 No

Long Name:	Other Card-Card Tx	SeqNo:	5390
Short Name:	OCarCrTx	Core:	Yes
Section Name:	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient had a Heterotopic or Orthotopic heart transplantation either in conjunction with, or as the primary surgical procedure.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No
		ModelField:	No	PQRIField: No
Parent Long Name:	Other Card	Format:		categorical values ied by STS)
ParentShortName:	OpOCard	DataLength:		
ParentValue:	= "Yes"	Data Source:	User	
Harvest Code	·S:			
Cod	le: <u>Value:</u>			
	1 Yes			
	2 No			

STS Adult Car	diac Database	Versio	n: 2.73
Long Name:	Other Card-Arrhythmia Correction Surgery	SeqNo:	5400
Short Name:	OCarACD	Core:	Yes
Section Name.	• Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate which arrhythmia correction device was surgically placed either in conjunction with, or as the primary surgical procedure.

LowValue:	UsualRangeLow:	ACCField:	Not mag	pped
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No
		ModelField:	No	PQRIField: No
Parent Long Name:	Other Card	Format:		categorical values ed by STS)
ParentShortName:	OpOCard	DataLength:		
ParentValue:	= "Yes"	Data Source:	User	

Harvest Codes and Value Definitions:

Code:	Value:	Definition:
1	None	PacemakerAn internal electronic generator that controls the heart rate.Pacemaker with esynchronization (CRT)An internal permanent pacemaker that uses biventricular electrical stimulation to synchronize ventricular contraction.de Cardioverter or (ICD)An internal device that defibrillates the heart.
2	Permanent Pacemaker	-
3	Permanent Pacemaker with Cardiac Resynchronization Technique (CRT)	
4	Implantable Cardioverter Defibrillator (ICD)	An internal device that defibrillates the heart.
5	ICD with CRT	

STS Adult Cardiac E	Database			Versio	on: 2.73
Long Name: Oth	er Card-Arrhythmia Correctio	on Surgery-Lead In	nsertion or Replacement	SeqNo:	5410
Short Name: OC	arACDLI			Core:	Yes
Section Name: Othe	er Cardiac Procedures			Harvest:	Yes
DBTableName Adv	ultData				
	te whether procedure included c arrhythmias.	d lead insertion or	replacement for a device	intended to tre	at
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card-Arrhythmia Correction Surgery	Format:	Text (categorical values specified by STS)		
ParentShortName:	OCarACD	DataLength:			
ParentValue:	<> "None" And Is Not Missing	Data Source:	User		
Harvest Code	es:				
Coo	le: Value:				
	1 Yes				
	2 No				

STS Adult Cardiac D	atabase			Versio	on: 2.73
Long Name: Othe	er Card-Arrhythmia Correction S	Surgery-Lead P	lacement	SeqNo:	5420
Short Name: OCa	arACDL			Core:	No
Section Name: Othe	er Cardiac Procedures			Harvest:	No
DBTableName Adu	ıltData				
Definition: Indicat	e which lead placement was use	ed for the perma	ment pacemaker with C	CRT or AICD wit	th CRT:
	cardial: the outer most layer of t locardial: the inner most layer of				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: N	No	
		ModelField:	No PQRIField: N	No	
Parent Long Name:	Other Card-Arrhythmia Correction Surgery	Format:	Text (categorical valu specified by STS)	es	
ParentShortName:	OCarACD	DataLength:	-		
ParentValue:	= "Permanent Pacemaker with Cardiac Resynchronization Technique (CRT)" or "AICD with CRT"	Data Source:	User		
Harvest Code	s:				
	e: Value:				
	1 Epicardial				
1	2 Endocardial				
				<i>a</i>	
-	er Card-Arrhythmia Correction S	Surgery-Lead E	xtraction	SeqNo:	5430
	arACDLE er Cardiac Procedures			Core:	Yes Yes
				Harvest:	res
DBTableName Adu Definition: Indicat arrhyth	e whether procedure included le	ead extraction fo	or a device intended to	treat cardiac	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card	Format:	Text (categorical valu specified by STS)	es	
ParentShortName:	OpOCard	DataLength:			
ParentValue:					
1 di chi v dine.	= "Yes"	Data Source:	User		
Harvest Code		Data Source:	User		

1 Yes 2 No

Long Name: Other	Card-Atrial Fibrillation Correc	tion Surgery			Sec	qNo:	5440
Short Name: OCarA	AFib					Core:	No
Section Name: Other	Cardiac Procedures				Harv	vest:	No
DBTableName Adult	Data						
conjunct the atria	if one of the following atrial fil ion with, or as the primary surg from fibrillating by disrupting fibrillation.	gical procedure	e. The in	ntent of both	surgeries is	to precl	
Standard Surgical Maze Procedure: Surgical procedure in which full thickness incisions are made in the atria of the heart. Sutures are then used to reapproximate the incised tissue. The resulting lesion disrupts the abnormal reentry pathways of electronic signals that lead to atrial fibrillation.							e
atr	Surgical Ablative Procedure: ia of the heart by an energy so thways of electronic signals the	urce. The lesi	on disruj	pts the abnorr			
Comb	bination of Standard Surgical M	laze Procedure	e and Ot	her Surgical A	Ablative Pro	ocedure	
LowValue:	UsualRangeLow:	ACCField:	Not ma	pped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Name: (	Other Card	Format:		categorical va ed by STS)	lues		
ParentShortName: C	DpOCard	DataLength:					
ParentValue: =	"Yes"	Data Source:	User				
Harvest Codes:							
Code:	Value:						
1	None						
2	Standard Surgical Maze Procedure						
3	Other Surgical Ablative Procedure						
4	Combination of Standard and Other Procedures	1					

STS Adult Cardiac	Database			Versic	n: 2.73
Long Name: Ot	her Card-Atrial Fibrillation S	urgical Procedure		SeqNo:	5450
Short Name: O	CarAFibSur			Core:	Yes
Section Name: Ot	her Cardiac Procedures			Harvest:	Yes
DBTableName A	dultData				
	cate whether atrial fibrillation unction with another procedure		was performed as the prim	ary procedure	or in
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	e: Other Card	Format:	Text (categorical values specified by STS)		
ParentShortName	: OpOCard	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	des:				
	ode: Value:				
	1 Yes				
	1 Yes 2 No				
Long Name Ot	2 No	urgical Procedure-I	ocation	SeaNo	5451
-	2 No her Card-Atrial Fibrillation S	urgical Procedure-L	Location	SeqNo: Core:	5451 Yes
Short Name: O	2 No	urgical Procedure-L	Location	SeqNo: Core: Harvest:	5451 Yes Yes
Short Name: O Section Name: Ot	2 No her Card-Atrial Fibrillation S CarAFibSurLoc her Cardiac Procedures	urgical Procedure-L	Location	Core:	Yes
Short Name: O Section Name: Ot DBTableName A	2 No her Card-Atrial Fibrillation S CarAFibSurLoc her Cardiac Procedures	-	Location	Core:	Yes
Short Name: O Section Name: Ot DBTableName A	2 No her Card-Atrial Fibrillation S CarAFibSurLoc her Cardiac Procedures dultData	-	Location Not mapped	Core:	Yes
Short Name: O Section Name: Ot DBTableName A Definition: Indic	2 No her Card-Atrial Fibrillation S CarAFibSurLoc her Cardiac Procedures dultData eate the location of the AFib a	blation procedure.		Core:	Yes
Short Name: O Section Name: Ot DBTableName A Definition: Indic LowValue:	2 No her Card-Atrial Fibrillation S CarAFibSurLoc her Cardiac Procedures dultData cate the location of the AFib a <i>UsualRangeLow:</i>	blation procedure.	Not mapped	Core:	Yes
Short Name: O Section Name: Ot DBTableName A Definition: Indic LowValue: HighValue:	2 No her Card-Atrial Fibrillation S CarAFibSurLoc her Cardiac Procedures dultData cate the location of the AFib a <i>UsualRangeLow:</i>	blation procedure. ACCField: ReportField:	Not mapped NQFField:	Core:	Yes
Short Name: O Section Name: Ot DBTableName A Definition: Indic LowValue: HighValue:	<ul> <li>2 No</li> <li>her Card-Atrial Fibrillation S</li> <li>CarAFibSurLoc</li> <li>her Cardiac Procedures</li> <li>dultData</li> <li>cate the location of the AFib a</li> <li>UsualRangeLow:</li> <li>UsualRangeHigh:</li> <li>e: Other Card-Atrial</li> <li>Fibrillation Surgical</li> <li>Procedure</li> </ul>	blation procedure. ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Core:	Yes
Short Name: O Section Name: Ot DBTableName A Definition: Indic LowValue: HighValue: Parent Long Name	<ul> <li>2 No</li> <li>her Card-Atrial Fibrillation S</li> <li>CarAFibSurLoc</li> <li>her Cardiac Procedures</li> <li>dultData</li> <li>cate the location of the AFib a</li> <li>UsualRangeLow:</li> <li>UsualRangeHigh:</li> <li>e: Other Card-Atrial</li> <li>Fibrillation Surgical</li> <li>Procedure</li> </ul>	blation procedure. ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes
Short Name: Ou Section Name: Ou DBTableName A Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName	<ul> <li>2 No</li> <li>her Card-Atrial Fibrillation S</li> <li>CarAFibSurLoc</li> <li>her Cardiac Procedures</li> <li>dultData</li> <li>cate the location of the AFib a</li> <li>UsualRangeLow: UsualRangeHigh:</li> <li>e: Other Card-Atrial Fibrillation Surgical Procedure</li> <li>: OCarAFibSur</li> <li>= "Yes"</li> </ul>	blation procedure. ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes
Short Name: Ou Section Name: Ou DBTableName A Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName ParentValue: Harvest Cou	<ul> <li>2 No</li> <li>her Card-Atrial Fibrillation S</li> <li>CarAFibSurLoc</li> <li>her Cardiac Procedures</li> <li>dultData</li> <li>cate the location of the AFib a</li> <li>UsualRangeLow: UsualRangeHigh:</li> <li>e: Other Card-Atrial Fibrillation Surgical Procedure</li> <li>: OCarAFibSur</li> <li>= "Yes"</li> </ul>	blation procedure. ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes
Short Name: Ou Section Name: Ou DBTableName A Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName ParentValue: Harvest Cou	<ul> <li>2 No</li> <li>her Card-Atrial Fibrillation S</li> <li>CarAFibSurLoc</li> <li>her Cardiac Procedures</li> <li>dultData</li> <li>exate the location of the AFib a</li> <li>UsualRangeLow:</li> <li>UsualRangeHigh:</li> <li>e: Other Card-Atrial</li> <li>Fibrillation Surgical</li> <li>Procedure</li> <li>: OCarAFibSur</li> <li>= "Yes"</li> <li>des:</li> </ul>	blation procedure. ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes
Short Name: Ou Section Name: Ou DBTableName A Definition: Indic LowValue: HighValue: Parent Long Name ParentShortName ParentValue: Harvest Cou	<ul> <li>2 No</li> <li>her Card-Atrial Fibrillation S</li> <li>CarAFibSurLoc</li> <li>her Cardiac Procedures</li> <li>dultData</li> <li>cate the location of the AFib a</li> <li>UsualRangeLow: UsualRangeHigh:</li> <li>e: Other Card-Atrial Fibrillation Surgical Procedure</li> <li>: OCarAFibSur = "Yes"</li> <li>des:</li> <li>ode: Value:</li> </ul>	blation procedure. ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core:	Yes

STS Adult Cardiac D	latabase			Versio	on: 2.73
•	er Card-Atrial Fibrillation Sutterated	argical Procedure-L	left Atrial Appendage	SeqNo:	5452
Short Name: OC	arAFibSurLAA			Core:	Yes
Section Name: Othe	er Cardiac Procedures			Harvest:	Yes
DBTableName Adu	ıltData				
	te whether left atrial appendates, and/or plication.	age was obliterated	. Includes oversewing, lig	gation, stapling	ŗ.,
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	OCarAFibSur	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code					
	es. le: <u>Value:</u>				
<u></u>	1 Yes				
	2 No				
	2 110				
	er Card-Atrial Fibrillation Su ation - Radio Frequency	argical Procedure-M	Aethod of Lesion	SeqNo:	5455
Short Name: OC	arAFibMethRad			Core:	Yes
Section Name: Othe	er Cardiac Procedures			Harvest:	Yes
DBTableName Adu	ıltData				
Definition: Indicat freque	te whether the method used t ncy.	to create the lesion	for the AFib ablation proc	cedure include	d radio
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortName:	OCarAFibSur	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	•c•				
	le: <u>Value:</u>				
<u></u>	1 Yes				
	2 No				

STS Adult Card	diac Database			Versic	on: 2.73
Long Name:	Other Card-Atrial Fibrillation S Creation - Ultrasound	Surgical Procedure-M	fethod of Lesion	SeqNo:	5456
Short Name:	OCarAFibMethUltra			Core:	Yes
Section Name:	Other Cardiac Procedures			Harvest:	Yes
DBTableName	AdultData				
-	ndicate whether the method used ltrasound.	to create the lesion	for the AFib ablation proce	edure include	d
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long N	<i>Tame:</i> Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortNa	ume: OCarAFibSur	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest	Codes:				
	Code: Value:				
	1 Yes				
	2 No				
Long Name:	Other Card-Atrial Fibrillation S Creation - Cryo	Surgical Procedure-M	fethod of Lesion	SeqNo:	5457
Short Name:	OCarAFibMethCryo			Core:	Yes
Section Name:	Other Cardiac Procedures			Harvest:	Yes
DBTableName	AdultData				
Definition: In	ndicate whether the method used	to create the lesion	for the AFib ablation proce	edure include	d cryo.
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
U		ModelField:	PQRIField:		
Parent Long N	<i>ame:</i> Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortNa	ume: OCarAFibSur	DataLength:			
	= "Yes"	Data Source:	User		
ParentValue:					
ParentValue: Harvest	Codes:				
	Codes: <u>Code:</u> <u>Value:</u>				

STS Adult Cardi	ac Database			Versio	on: 2.73
-	Other Card-Atrial Fibrillation S Creation - Microwave	Surgical Procedure-M	fethod of Lesion	SeqNo:	5458
Short Name:	OCarAFibMethMicro			Core:	Yes
Section Name:	Other Cardiac Procedures			Harvest:	Yes
DBTableName	AdultData				
	licate whether the method used crowave.	to create the lesion	for the AFib ablation proc	edure include	d
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Na	<i>me:</i> Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortNan	ne: OCarAFibSur	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest (	Codes:				
	<u>Code:</u> <u>Value:</u>				
	1 Yes				
	2 No				
-	Other Card-Atrial Fibrillation S Creation - Laser	Surgical Procedure-M	fethod of Lesion	SeqNo:	5459
Short Name:	<b>OCarAFibMethLas</b>			Core:	Yes
Section Name:	Other Cardiac Procedures			Harvest:	Yes
DBTableName	AdultData				
Definition: Inc	licate whether the method used	to create the lesion	for the AFib ablation proc	edure include	d laser.
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Na	<i>me:</i> Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortNan	ne: OCarAFibSur	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest C	Codes:				
	Code: Value:				
	1 Yes				

STS Adult Cardia	c Database			Versio	on: 2.73
	Other Card-Atrial Fibrillation Surg Sreation - Cut-And-Sew	ical Procedure-M	Method of Lesion	SeqNo:	546
Short Name: C	CarAFibMethCAS			Core:	Ye
Section Name: O	ther Cardiac Procedures			Harvest:	Ye
DBTableName	AdultData				
	cate whether the method used to c -sew.	create the lesion	for the AFib ablation proc	edure include	d cut-
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nan	<i>ne:</i> Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortNam	e: OCarAFibSur	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
2	Code: Value: 1 Yes 2 No				
Long Name: C	Other Card-Atrial Fibrillation Abla	tion Procedure		SeqNo:	546
Short Name: C	CarAFibAProc			Core:	Ye
Section Name: O	ther Cardiac Procedures			Harvest:	Ye
DBTableName	AdultData				
Definition: Indi	icate what atrial fibrilation ablation	n procedure was	performed.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nan	ne: Other Card-Atrial Fibrillation Surgical Procedure	Format:	Text (categorical values specified by STS)		
ParentShortNam	e: OCarAFibSur	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	odes and Value Definitions:				
<u>(</u>	Code: Value:	<b>Definition</b>	<u>1:</u>		
	1 Drimonily on condict proceed	lure E.g., puln	nonary vein isolation with	or without	
	1 Primarily epicardial proced		n to left atrial appendage		

procedure

Long Name: Other Card-Ao Aneur			SeqNo:	5470
Short Name: ONCAoAn			Core:	No
Section Name: Other Cardiac Procedures			Harvest:	No
DBTableName AdultData				
Definition: Indicate whether the patient underwer the primary surgical procedure. This				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: N	lo	
	ModelField:	No PQRIField: N	lo	
Parent Long Name: Other Card	Format:	Text (categorical value specified by STS)	es	
ParentShortName: OpOCard	DataLength:	· ·		
ParentValue: = "Yes"	Data Source:	User		
Hamast Cadasi				
Harvest Codes:				
<u>Code:</u> <u>Value:</u> 1 Yes				
2 No				
2 110				
Long Name: Other Card-Aortic Procedure Type			SeqNo:	5471
Short Name: OCAoProcType			Core:	Yes
Section Name: Other Cardiac Procedures			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate the type of aortic procedure p primary procedure.	performed in cor	njunction with another p	rocedure or as th	he
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Other Card	Format:	Text (categorical value specified by STS)	es	
ParentShortName: OpOCard	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	· User		
Harvest Codes:				
Harvest Codes: <u>Code:</u> <u>Value:</u>				
Code: Value:				

intramural hematoma)		
4 Trauma		
5 Coarctation		
6 Other		
Long Name: Other Card-Aortic Root	SeqNo:	5473
Short Name: ONCAoRt	Core:	Yes
Section Name: Other Cardiac Procedures	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate if the patient underwent repair of an aortic root aneurysm either	in conjunction with,	or as

*Definition:* Indicate if the patient underwent repair of an aortic root aneurysm either in conjunction with, or as the primary surgical procedure. Aneurysm refers to pathologic dilatation of the aorta.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	~
		ModelField:	PQRIField:
Parent Long Name:	Other Card-Aortic Procedure Type	Format:	Text (categorical values specified by STS)
ParentShortName:	OCAoProcType	DataLength:	
ParentValue:	= "Aneurysm"	Data Source:	User
Harvest Code	28:		
<u>Coc</u>	le: <u>Value:</u>		
	1 Yes		
	2 No		

STS Adult Cardiac	Database			Versio	on: 2.73
Long Name: Of	her Card-Aortic Root Graft			SeqNo:	5474
Short Name: <b>O</b>	NCAoGraft			Core:	Yes
Section Name: Ot	her Cardiac Procedures			Harvest:	Yes
DBTableName A	dultData				
junct a Wl the a	cate whether a Dacron graft wa tion and the origin of the innon neat procedure. Also includes scending aorta was replaced w record device model, size, etc.	ninate artery) – thi valve-sparing root ith a Dacron graft,	s includes a "hemiarc reimplantation and re	h" replacement as emodling operation	well as is. If
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Nam	e: Other Card-Aortic Root	Format:	Text (categorical va specified by STS)	alues	
ParentShortName	: ONCAoRt	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Co	des:				
	ode: Value:				
_	1 Yes				
	2 No				
Long Name: Of	her Card-Asc			SeqNo:	5480
0	NCAsc			Core:	Yes
	her Cardiac Procedures			Harvest:	Yes
DBTableName A	dultData				
as th ascen	cate if the patient underwent rep e primary surgical procedure. nding aorta begins at the aortic orta continues as the transverse	Aneurysm refers t annulus and ends	o pathologic dilatatio	n of the aorta. The	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField:	No	
		ModelField:	No PQRIField:	No	
Parent Long Nam	e: Other Card-Aortic Procedure Type	Format:	Text (categorical va specified by STS)	alues	
ParentShortName	: OCAoProcType	DataLength:			
ParentValue:	= "Aneurysm"	Data Source:	User		
Harvest Co	des:				
	des: <u>ode: Value:</u>				

STS Adult Cardiac Database

2 No

Version: 2.73

Long Name:	Other Card-Arch	SeqNo:	5490
Short Name:	ONCArch	Core:	Yes
Section Name:	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate if the patient underwent repair of aneurysm in the arch of the aorta either in conjunction with, or as the primary surgical procedure. The arch begins at the origin of the innominate artery and ends beneath the left subclavian artery. It is the portion of the aorta at the top of the heart that gives off three important blood vessels; the innominate artery, the left carotid artery and the left subclavian artery.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	UsualRangeHigh: ReportField: Yes ModelField: No ModelField: No ModelField: No Format: Text (ca Procedure Type specifie	Text (categorical values specified by STS)	
ParentShortName:	OCAoProcType	DataLength:	
ParentValue:	= "Aneurysm"	Data Source:	User

Harvest Codes:

Code:	Value:
1	Yes
2	No

Long Name: Other Card-Arch Repair Extent			SeqNo:	5491
Short Name: ONCArchRepExt			Core:	Yes
Section Name: Other Cardiac Procedures			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the extent of the arch repair.				
LowValue: UsualRangeLow:	ACCField: N	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Other Card-Arch		Text (categorical values specified by STS)		
ParentShortName: ONCArch	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				

1 Hemi-Arch

STS Adult Cardiac Database

2 Total Arch

Long Name:	Other Card-Desc	SeqNo:	5500
Short Name:	ONCDesc	Core:	Yes
Section Name	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate if the patient underwent repair of a descending aortic aneurysm either in conjunction with, or as the primary surgical procedure. The descending aorta is the portion of the aorta between the arch and the abdomen.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No
		ModelField:	No	PQRIField: No
Parent Long Name:	Other Card-Aortic Procedure Type	Format:		categorical values ied by STS)
ParentShortName:	OCAoProcType	DataLength:		
ParentValue:	= "Aneurysm"	Data Source:	User	

Harvest Codes:

Code: Value: 1 Yes 2 No

Long Name:	Other Card-Thoracoabdominal Aneurysm	SeqNo:	5510
Short Name:	ONCThAbd	Core:	Yes
Section Name:	Other Cardiac Procedures	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate if the patient underwent repair of a thoracoabdominal aneurysm either in conjunction with, or as the primary surgical procedure. Thoracoabdominal aneurysms can involve the entire thoracoabdominal aorta from the origin of the left subclavian artery to the aortic bifurcation or can involve only one or more segments of the abdominal aorta.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Other Card-Aortic Procedure Type	Format:	Text (categorical values specified by STS)
ParentShortName:	OCAoProcType	DataLength:	
ParentValue:	= "Aneurysm"	Data Source:	User
Harvest Code	25:		

Code: Value:

1 Yes

	2 No				
Short Name: <b>ON</b>	er Card-Thoracoabdominal Gra <b>CThAbdGraft</b> er Cardiac Procedures	aft Replacement		SeqNo: Core: Harvest:	5511 Yes Yes
DBTableName Adu	ıltData				
Definition: Indicat	te whether a graft replacement	was used.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card- Thoracoabdominal Aneurysm	Format:	Text (categorical values specified by STS)		
ParentShortName:	ONCThAbd	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	es:				
	le: Value:				
	1 Yes				
	2 No				
Long Name: Othe	er Card-Thoracoabdominal-Int	ercostal Vessels		SeqNo:	5512
0	CThAbdInterVes	ereostar vessers		Core:	Yes
	er Cardiac Procedures			Harvest:	Yes
DBTableName Adu					
Definition: Indicat	te whether intercostal vessels v	were re-implanted	1.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
-		ModelField:	PQRIField:		
Parent Long Name:	Other Card- Thoracoabdominal Graft Replacement	Format:	Text (categorical values specified by STS)		
ParentShortName:	ONCThAbdGraft	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	es:				
Coc	le: Value:				
	1 Yes				
	2 No				

STS Adult Cardiac D	Jatabase			Versio	n: 2.73
Long Name: Othe	er Card-Thoracoabdominal-CS	SF Drainage		SeqNo:	551
Short Name: ON	CThAbdLumCSF			Core:	Ye
Section Name: Othe	er Cardiac Procedures			Harvest:	Ye
DBTableName Adu	ıltData				
Definition: Indicat	te whether lumbar CSF drainag	ge was utilized.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card- Thoracoabdominal Graft Replacement	Format:	Text (categorical values specified by STS)		
ParentShortName:	ONCThAbdGraft	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	es:				
Cod	le: Value:				
	1 Yes				
	2 No				
Long Name: Othe	er Card-Thoracoabdominal-Ex	tent Replaced		SeqNo:	5514
	CThAbdExtent	tione reepideed		Core:	Ye
	er Cardiac Procedures			Harvest:	Ye
DBTableName Adu	ıltData				
Definition: Indicat	te extent of descending aorta r	eplacement.			
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card- Thoracoabdominal Graft Replacement	Format:	Text (categorical values specified by STS)		
ParentShortName:	ONCThAbdGraft	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	es:				
Cod	le: Value:				
	1 Proximal				
	2 Mid				
	3 Distal				
	4 Proximal - Mid				

6 Mid - Distal

Long Name: Oth	er Card-Aortic Dissection-Acute	9		SeqNo:	5516
Short Name: Aol	DisAc			Core:	Ye
Section Name: Othe	er Cardiac Procedures			Harvest:	Ye
DBTableName Adv	ıltData				
Definition: Indica	te whether aortic dissection is ac	cute (<14 days p	prior to procedure).		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card-Aortic Procedure Type	Format:	Text (categorical values specified by STS)		
ParentShortName:	OCAoProcType	DataLength:			
ParentValue:	= "Dissection (including intramural hematoma)"	Data Source:	User		
Harvest Code	es:				
Coc	le: Value:				
	1 Yes				
	2 No				
Long Name: Oth	er Card-Aortic Dissection Type			SeqNo:	5517
Short Name: Aol	DisTyp			Core:	Yes
Section Name: Othe	er Cardiac Procedures			Harvest:	Yes
DBTableName Adv	ıltData				
Definition: Indica	te aortic dissection type.				
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Other Card-Aortic Procedure Type	Format:	Text (categorical values specified by STS)		
ParentShortName:	OCAoProcType	DataLength:			
ParentValue:	= "Dissection (including intramural hematoma)"	Data Source:	User		
Harvest Code	es and Value Definitions:				
	le: Value:	Definition	<u>n:</u>		
Coo					
<u>Coo</u>	1 Stanford Type A	Dissection	n extends proximal to the l	eft subclaviar	artery

STS Adult Cardiac Database				Versic	on: 2.73
Long Name: Other Card-Aortic	Trauma type			SeqNo:	5518
Short Name: AoTrTyp				Core:	Yes
Section Name: Other Cardiac Prod	cedures			Harvest:	Yes
DBTableName AdultData					
Definition: Indicate type of aorti	c trauma.				
LowValue: UsualRang	geLow: A	CCField:	Not mapped		
HighValue: UsualRang	geHigh: R	eportField:	NQFField:		
	N	IodelField:	PQRIField:		
Parent Long Name: Other Card-A Procedure T		format:	Text (categorical values specified by STS)		
ParentShortName: OCAoProcTy	pe D	DataLength:			
<i>ParentValue:</i> = "Trauma"	L	Data Source:	User		
Harvest Codes:					
Code: Value:					
1 Blunt					
2 Penetrating	5				
Long Name: Other Card-Endov	ascular Procedure (T	EVAR):		SeqNo:	5520
Short Name: EndoProc	×	,		Core:	Yes
Section Name: Other Cardiac Proc	cedures			Harvest:	Yes
DBTableName AdultData					
Definition: Indicate whether an a	ortic endovascular s	tent graft wa	s performed/deployed.		
LowValue: UsualRang	geLow: A	CCField:	Not mapped		
HighValue: UsualRang	geHigh: R	eportField:	NQFField:		
	N	IodelField:	PQRIField:		
Parent Long Name: Other Card	F	format:	Text (categorical values specified by STS)		
ParentShortName: OpOCard	L	DataLength:			
<i>ParentValue:</i> = "Yes"	L	Data Source:	User		
Harvest Codes:					
Code: Value:					
1 Yes					

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: Other Card-Endovascular Debranch	ning		SeqNo:	552
Short Name: EndoProcDeb			Core:	Ye
Section Name: Other Cardiac Procedures			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate whether debranching was per	formed.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Other Card-Endovascular Procedure (TEVAR):	Format:	Text (categorical values specified by STS)		
ParentShortName: EndoProc	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
<u>Code:</u> Value:				
1 Yes				
2 No				
Long Name: Other Card-Tumor			SeqNo:	5530
Long Name. Ouler Calu-Tullion			Sequo.	5550
Short Name: OCTumor			Core	Vo
			Core: Harvest:	
Section Name: Other Cardiac Procedures				
Section Name: Other Cardiac Procedures DBTableName AdultData	tion of an intrac	ardiac tumor.		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec				
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow:	ACCField:	Not mapped		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow:	ACCField: ReportField:	Not mapped NQFField:		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField:	Not mapped		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card	ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card ParentShortName: OpOCard ParentValue: = "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card ParentShortName: OpOCard ParentValue: = "Yes" Harvest Codes:	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card ParentShortName: OpOCard ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u>	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card ParentShortName: OpOCard ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u> 1 None	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card ParentShortName: OpOCard ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u> 1 None 2 Myxoma	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card ParentShortName: OpOCard ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u> 1 None 2 Myxoma 3 Fibroelastoma	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		
Section Name: Other Cardiac Procedures DBTableName AdultData Definition: Indicate whether the patient had resec LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Other Card ParentShortName: OpOCard ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u> 1 None 2 Myxoma	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)		Ye: Ye:

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: Other Card-Pulmonary Thron Short Name: <b>OCPulThromDis</b>	mboembolectomy	SeqNo: Core:	554) Ye
Section Name: Other Cardiac Procedures		Harvest:	Ye
DBTableName AdultData			
	d surgery for pulmonary thromboembolic dis	ease.	
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField: ModelField: PQRIField:		
Parent Long Name: Other Card	Format: Text (categorical val specified by STS)	ues	
ParentShortName: OpOCard	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
Code: Value:			
1 None			
2 Yes, Acute			
3 Yes, Chronic			
Long Name: Other Card-Other		SeqNo:	555(
Short Name: OCarOthr		Core:	Yes
Section Name: Other Cardiac Procedures		Harvest:	Yes
DBTableName AdultData			
as the primary surgical procedu	d an other cardiac procedure performed eithe re that is not included within this section. In e STS Data Manager's section of the STS We	cludes, but is not	
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: Yes NQFField:	No	
	ModelField: No PQRIField:	Yes	
Parent Long Name: Other Card	Format: Text (categorical val specified by STS)	ues	
ParentShortName: OpOCard	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Harvest Codes:			
Code: Value:			
1 Yes			

STS Adult Cardiac Database					Versic	on: 2.73
Long Name: Other Non Card-Caro Endart					SeqNo:	5560
Short Name: ONCCarEn					Core:	Yes
Section Name: Other Non-Cardiac Procedures					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether the patient underware percutaneous/surgical placement of a						cedure.
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Other Non Card	Format:		(categorical va fied by STS)	lues		
ParentShortName: OpONCard	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: Other Non Card-Other Vasc					SeqNo:	5570
Short Name: ONCOVasc Section Name: Other Non-Cardiac Procedures					Core: Harvest:	Yes Yes
					nuivesi.	168
DBTableName AdultData	maa traating nami	ah anal a	accular diacoc	. <b>.</b>	oniunation wi	th the
<i>Definition:</i> Indicate whether patient had procedu primary surgical procedure.	nes nearing perip	jilerar v	ascular diseas		onjunction wi	ui uie
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Other Non Card	Format:		(categorical va fied by STS)	lues		
ParentShortName: OpONCard	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						

STS Adult Cardiac Database					Versic	on: 2.73
Long Name: Other Non Card-Other Thor					SeqNo:	5580
Short Name: ONCOThor					Core:	Yes
Section Name: Other Non-Cardiac Procedures					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate whether patient underwent p primary surgical procedure. This inc mediastinal mass and/or lung dissect	cludes but is not					
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Other Non Card	Format:		(categorical va fied by STS)	lues		
ParentShortName: OpONCard	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	: User				
Harvest Codes:						
<u>Code:</u> <u>Value:</u>						
1 Yes						
2 No						
Long Name: Other Non Card-Other					SeqNo:	5590
Short Name: ONCOther					Core:	Yes
Section Name: Other Non-Cardiac Procedures					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate whether the patient had any primary surgical procedure that is no				d in c	onjunction w	ith the
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Other Non Card	Format:		(categorical va fied by STS)	lues		
ParentShortName: OpONCard	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source.	: User				
Harvest Codes:						
Harvest Codes: Code: Value:						
Harvest Codes: <u>Code:</u> <u>Value:</u> 1 Yes						

	ardiac Da	atabase						Versio	n: 2.73
Long Name:	: Posto	perative Creatinine Lev	/el					SeqNo:	5610
Short Name.	· PostC	Creat						Core:	Yes
Section Nan	ne: Posto	perative						Harvest:	Yes
DBTableNa	me Adul	tData							
Definition:	Indicate level.	the postoperative Crea	tinine le	evel. If more the	nan one	level is obtair	ned, co	ode the highe	st
LowValue:	0.1	UsualRangeLow: (	0.1	ACCField:	Not ma	apped			
HighValue:	30.0	UsualRangeHigh: 9	9.0	ReportField:	No	NQFField:	No		
				ModelField:	No	PQRIField:	No		
Parent Long	3 Name:			Format:	Real				
ParentShort	tName:			DataLength:					
ParentValue	e:			Data Source:	User				
Short Name. Section Nan								Core: Harvest:	Yes Yes
DBTableNa		_							
	Indicate					stoporativaly	<b>D</b>	omonotivolvi in	
Definition:	defined	whether blood product as any blood started aft , including any blood tra	ter the ir	nitial surgery.	Include	blood transfu			
Definition: LowValue:	defined	as any blood started aft	ter the ir	nitial surgery.	Include	blood transfu surgery.			
-	defined	as any blood started aft , including any blood tra	ter the ir	nitial surgery. d during a reop	Include erative Not ma	blood transfu surgery.	sed af		
LowValue:	defined	as any blood started aft including any blood tra UsualRangeLow:	ter the ir	nitial surgery. d during a reop ACCField:	Include erative Not ma Yes	blood transfu surgery. apped	sed af No		
LowValue:	defined surgery,	as any blood started aft including any blood tra UsualRangeLow:	ter the ir	nitial surgery. d during a reop ACCField: ReportField:	Include erative Not ma Yes No Text (	blood transfu surgery. apped NQFField:	sed af No No		
LowValue: HighValue:	defined surgery, g Name:	as any blood started aft including any blood tra UsualRangeLow:	ter the ir	nitial surgery. d during a reop ACCField: ReportField: ModelField:	Include erative Not ma Yes No Text (	blood transfu surgery. apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	sed af No No		
LowValue: HighValue: Parent Long	defined surgery, g Name: tName:	as any blood started aft including any blood tra UsualRangeLow:	ter the ir	hitial surgery. d during a reop ACCField: ReportField: ModelField: Format:	Include erative Not ma Yes No Text ( specif	blood transfu surgery. apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	sed af No No		
LowValue: HighValue: Parent Long ParentShort ParentValue	defined surgery, g Name: tName:	as any blood started aft , including any blood tr: <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	ter the ir	hitial surgery. d during a reop ACCField: ReportField: ModelField: Format: DataLength:	Include erative Not ma Yes No Text ( specif	blood transfu surgery. apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	sed af No No		

Yes
 No

STS Adult Cardiac Database	Versio	on: 2.73
Long Name: Blood Prod - RBC Units	SeqNo:	5630
Short Name: BdRBCU	Core:	Yes
Section Name: Postoperative	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate the number of units of packed red blood cells that were transfused	any time postoper	atively.
Do not include autologous, cell-saver or chest tube recirculated blood.		
LowValue: 0 UsualRangeLow: 0 ACCField: Not mapped		
HighValue: 99 UsualRangeHigh: 10 ReportField: Yes NQFField:	No	
ModelField: No PQRIField:	No	
Parent Long Name: Blood Prod Format: Integer		
ParentShortName: BldProd DataLength:		
ParentValue: = "Yes" Data Source: User		
Long Name: Blood Prod - FFP Units	SeqNo:	5640
Short Name: BdFFPU	Core:	Yes
Short Name: BdFFPU Section Name: Postoperative	-	
Short Name:BdFFPUSection Name:PostoperativeDBTableNameAdultData	Core: Harvest:	Yes Yes
Short Name:       BdFFPU         Section Name:       Postoperative         DBTableName       AdultData         Definition:       Indicate the number of units of fresh frozen plasma that were transfused and	Core: Harvest:	Yes Yes
Short Name:       BdFFPU         Section Name:       Postoperative         DBTableName       AdultData         Definition:       Indicate the number of units of fresh frozen plasma that were transfused and LowValue:         0       UsualRangeLow:       0       ACCField:       Not mapped	Core: Harvest: y time postoperativ	Yes Yes
Short Name:       BdFFPU         Section Name:       Postoperative         DBTableName       AdultData         Definition:       Indicate the number of units of fresh frozen plasma that were transfused and the sector of t	Core: Harvest: y time postoperativ	Yes Yes
Short Name:       BdFFPU         Section Name:       Postoperative         DBTableName       AdultData         Definition:       Indicate the number of units of fresh frozen plasma that were transfused any         LowValue:       0       UsualRangeLow:       0       ACCField:       Not mapped         HighValue:       99       UsualRangeHigh:       10       ReportField:       Yes       NQFField:         ModelField:       No       PQRIField:       No       PQRIField:	Core: Harvest: y time postoperativ	Yes Yes
Short Name:       BdFFPU         Section Name:       Postoperative         DBTableName       AdultData         Definition:       Indicate the number of units of fresh frozen plasma that were transfused and the sector of t	Core: Harvest: y time postoperativ	Yes Yes
Short Name:       BdFFPU         Section Name:       Postoperative         DBTableName       AdultData         Definition:       Indicate the number of units of fresh frozen plasma that were transfused any         LowValue:       0       UsualRangeLow:       0       ACCField:       Not mapped         HighValue:       99       UsualRangeHigh:       10       ReportField:       Yes       NQFField:         ModelField:       No       PQRIField:       No       PQRIField:	Core: Harvest: y time postoperativ	Yes Yes

Long Name: Blood Prod - Cryo Units					SeqNo:	5650
Short Name: BdCryoU					Core:	Yes
Section Name: Postoperative					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate the number of units of cryo	precipitate that w	ere transf	used intraop	erative	ly.	
One bag of cryo = one unit. The number of units is not volume d			-			
LowValue: 0 UsualRangeLow: 0	ACCField:	Not map	oped			
HighValue: 99 UsualRangeHigh: 10	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Blood Prod	Format:	Integer				
ParentShortName: BldProd	DataLength:	-				
<i>ParentValue:</i> = "Yes"	Data Source.	User				
Long Name:Blood Prod - Platelet UnitsShort Name:BdPlatUSection Name:Postoperative					SeqNo: Core: Harvest:	5660 Yes Yes
DBTableName AdultData						
<i>Definition:</i> Indicate the number of units of plate	elets that were trai	nsfused ir	traoperative	ly.		
Count the dose pack as one unit. A platelets obtained. The number of u	dose pack may co	onsist of 4	, 6, 8, 10, or	-	umber of do	nor
LowValue: 0 UsualRangeLow:	ACCField:	Not map	oped			
HighValue: 99 UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Blood Prod	Format:	Integer				
0						
ParentShortName: BldProd	DataLength:					

STS Adult Cardiac Data	abase				Versio	on: 2.73
Long Name: Extuba	ated In OR				SeqNo:	5670
Short Name: Extub	OR				Core:	Yes
Section Name: Postop	erative				Harvest:	Yes
DBTableName Adult	Data					
Definition: Indicate v surgery.	whether the patient was extub	bated prior to lea	aving th	e operating room	during the init	al
If patient	expires in the operating roor	n during the ini	tial surg	gery, answer "Yes'	'.	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField: No	)	
		ModelField:	No	PQRIField: No	)	
Parent Long Name:		Format:		(categorical values fied by STS)	5	
ParentShortName:		DataLength:				
ParentValue:		Data Source.	User			
Harvest Codes:						
Code:	Value:					
1	Yes					
2	No					
Long Name: Re-intu	ubated During Hospital Stay				SeqNo:	5680
Short Name: ReIntu	ıb				Core:	Yes
Section Name: Postop	erative				Harvest:	Yes
DBTableName Adult	Data					
Definition: Indicate	whether the patient was reinted	ubated during th	ne hospi	tal stay after the in	nitial extubatio	n.
-	r include patients who have b ative period.	een extubated in	n the OI	R and require intul	bation in the	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No	)	
		ModelField:	No	PQRIField: No	)	
Parent Long Name:		Format:		(categorical values fied by STS)	3	
ParentShortName:		DataLength:				
ParentValue:		Data Source.	User			
Harvest Codes:						
Code:	Value:					
1	Yes					
2	No					
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Long Name: Additional Hours Ventilate	ed					SeqNo:	5690
Short Name: VentHrsA						Core:	Yes
Section Name: Postoperative						Harvest:	Yes
DBTableName AdultData							
Definition: Indicate how many additiona	l hours th	e patient was of	n ventil	ator after initia	al ext	ubation.	
LowValue: 0.1 UsualRangeLow:	1.0	ACCField:	Not m	apped			
HighValue: 5000.0 UsualRangeHigh:	168.0	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name: Re-intubated During Hospital Stay		Format:	Real				
ParentShortName: ReIntub		DataLength:					
<i>ParentValue:</i> = "Yes"		Data Source:	User				
Long Name: ICU Visit						SeqNo:	5700
Short Name: ICUVisit						Sequo: Core:	Yes
Section Name: Postoperative						Harvest:	Yes
DBTableName AdultData							
Definition: Indicate whether the patient r Include ICU unit, post-anesth				•	-	-	ery.
LowValue: UsualRangeLow:		ACCField:	Not m	apped			
HighValue: UsualRangeHigh:		ReportField:	No	NQFField:	No		
0		ModelField:	No	PQRIField:	No		
Parent Long Name:		ModelField: Format:	Text (	PQRIField: (categorical va (ied by STS)			
			Text (	categorical va			
Parent Long Name:		Format:	Text ( specif	categorical va			
Parent Long Name: ParentShortName:		Format: DataLength:	Text ( specif	categorical va			
Parent Long Name: ParentShortName: ParentValue:		Format: DataLength:	Text ( specif	categorical va			
Parent Long Name: ParentShortName: ParentValue: Harvest Codes:		Format: DataLength:	Text ( specif	categorical va			

STS Adult Cardiac Database		Version: 2.73
Long Name: Initial ICU hours		<i>SeqNo:</i> 5710
Short Name: ICUInHrs		Core: Yes
Section Name: Postoperative		Harvest: Yes
DBTableName AdultData		
<ul><li>Definition: Indicate the number of hours the patient resurgery until the time of transfer out of IC similar critical care environments.</li><li>For those sites who provide postop ICU le hospital discharge), document the number physician order is written to change the legendre of the second seco</li></ul>	U. Include ICU unit, post-anesthe vel of care in one single stay unit of hours immediately following t	esia recovery, and other (admission to ICU to
Do not count hours when the patient is key	pt in ICU because of staffing or be	ed availability.
LowValue: 0.1 UsualRangeLow: 1.0 A	CCField: Not mapped	
HighValue: 5000.0 UsualRangeHigh: 100.0 R	eportField: Yes NQFField:	No
M	odelField: No PQRIField:	No
Parent Long Name: ICU Visit	ormat: Real	

DataLength:

Data Source: User

ParentShortName: ICUVisit ParentValue: = "Yes"

STS Adult C	ardiac Database							Versio	on: 2.73
Long Name.	Readmission to	o ICU						SeqNo:	5720
Short Name	: ICUReadm							Core:	Yes
Section Nan	ne: Postoperative							Harvest:	Yes
DBTableNa	me AdultData								
Definition:	Indicate whether (lower level care) OR -> ICU -> OI OR -> ICU -> ST OR -> STEP DO	). Specific si R -> ICU = N TEP DOWN -	tuations : lo -> ICU =	are described b		g been transfe	rred to	o a step-dowr	ı unit
	Single care unit: Code ICU readm	ission when t	the level	of care increas	es and	is noted in the	physic	cian order.	
LowValue:	Usuall	RangeLow:		ACCField:	Not m	apped			
HighValue:	Usuall	RangeHigh:		ReportField:	Yes	NQFField:	No		
				ModelField:	No	PQRIField:	No		
Parent Long	g Name:			Format:		(categorical va fied by STS)	lues		
					speer	fice by STS)			
ParentShort	tName:			DataLength:	speer	fied by 515)			
ParentShort ParentValu				DataLength: Data Source.	-	neu by 515)			
ParentValu				-	-	neu by 515)			
ParentValu	e:			-	-	neu by 515)			
ParentValu	e: est Codes:			-	-	neu by 515)			
ParentValu	e: est Codes: <u>Code: Value:</u>			-	-	neu by 515)			
ParentValu	e: est Codes: <u>Code: Value:</u> 1 Yes 2 No			-	-			SeqNo:	5730
ParentValua Harvo	e: est Codes: <u>Code: Value:</u> 1 Yes 2 No : Additional ICU			-	-			SeqNo: Core:	5730 Yes
ParentValua Harvo Long Name. Short Name	e: est Codes: <u>Code: Value:</u> 1 Yes 2 No : Additional ICU			-	-			-	
ParentValua Harvo Long Name. Short Name Section Nan	e: est Codes: <u>Code: Value:</u> 1 Yes 2 No : Additional ICU : <b>ICUAdHrs</b>			-	-			Core:	Yes
ParentValua Harvo Long Name. Short Name Section Nan	e: est Codes: <u>Code: Value:</u> 1 Yes 2 No : Additional ICU : <b>ICUAdHrs</b> ne: Postoperative	J Hours ber of additio	onal hours	Data Source.	· User		ent hig	Core: Harvest:	Yes Yes
ParentValua Harvo Long Name. Short Name Section Nan DBTableNa	e: est Codes: <u>Code:</u> <u>Value:</u> 1 Yes 2 No Additional ICU : ICUAdHrs me: Postoperative me AdultData Indicate the number single stay units.	J Hours ber of additio	onal hour: 1.0	Data Source.	· User		ent hig	Core: Harvest:	Yes Yes
ParentValua Harvo Long Name. Short Name Section Nam DBTableNa Definition:	e: est Codes: <u>Code:</u> Value: 1 Yes 2 No Code: Code: Value: 1 Yes 2 No Code:	J Hours ber of additio	1.0	Data Source.	· User CU, or Not m	at the equivale	C	Core: Harvest:	Yes Yes
ParentValua Harvo Long Name. Short Name Section Nam DBTableNa Definition: LowValue:	e: est Codes: <u>Code:</u> Value: 1 Yes 2 No Code: Code: Value: 1 Yes 2 No Code:	J Hours ber of additio RangeLow:	1.0	Data Source. s spent in the I ACCField:	· User CU, or Not m Yes	at the equivale	No	Core: Harvest:	Yes Yes
ParentValua Harvo Long Name. Short Name Section Nam DBTableNa Definition: LowValue: HighValue:	e: est Codes: <u>Code:</u> Value: 1 Yes 2 No Code: Code: Value: 1 Yes 2 No Code:	J Hours ber of additio RangeLow: RangeHigh:	1.0	Data Source. s spent in the I ACCField: ReportField:	· User CU, or Not m Yes	at the equivale apped NQFField:	No	Core: Harvest:	Yes Yes
ParentValue Harve Long Name Short Name Section Nam DBTableNa Definition: LowValue: HighValue: Parent Long	e: est Codes: <u>Code:</u> <u>Value:</u> 1 Yes 2 No Additional ICU : ICUAdHrs me: Postoperative me AdultData Indicate the number single stay units. 0.1 Usuall 5000.0 Usuall	J Hours ber of additio RangeLow: RangeHigh: sion to ICU	1.0	Data Source. s spent in the I ACCField: ReportField: ModelField:	· User CU, or Not m Yes No	at the equivale apped NQFField:	No	Core: Harvest:	Yes Yes

Long Name: Total I	Hrs ICU						SeqNo:	5740
Short Name: TotHr							Core:	No
Section Name: Postop						Ha	arvest:	No
DBTableName Adult								
if the pat	the total number of h ient expired in the O a recovery or other s	R during	the initial surg	ery. En	ter zero (0) if			
LowValue: 0.0	UsualRangeLow:	1.0	ACCField:	Not ma	apped			
HighValue: 10000.0	UsualRangeHigh:	100.0	ReportField:	Yes	NQFField:	No		
			ModelField:	No	PQRIField:	No		
Parent Long Name:			Format:	Real				
ParentShortName:			DataLength:					
ParentValue:			Data Source:	User of	or Calculated			
Short Name: POpT	TEch						SeqNo: Core:	Ye
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult	<b>TEch</b> erative Data			-1	, to discharge	На	•	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate	<b>TEch</b> erative Data whether an echo was	perform			_	На	Core:	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate LowValue:	<b>TEch</b> erative Data whether an echo was <i>UsualRangeLow:</i>	perform	ACCField:	ely prio Not ma	apped	На	Core:	Yes
· ·	<b>TEch</b> erative Data whether an echo was	perform	ACCField: ReportField:		apped NQFField:	На	Core:	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate LowValue: HighValue:	<b>TEch</b> erative Data whether an echo was <i>UsualRangeLow:</i>	perform	ACCField:	Not ma Text (	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	Ha	Core:	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate LowValue: HighValue: Parent Long Name:	<b>TEch</b> erative Data whether an echo was <i>UsualRangeLow:</i>	perform	ACCField: ReportField: ModelField: Format:	Not ma Text ( specif	apped NQFField: PQRIField:	Ha	Core:	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName:	<b>TEch</b> erative Data whether an echo was <i>UsualRangeLow:</i>	perform	ACCField: ReportField: ModelField:	Not ma Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	Ha	Core:	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName:	<b>TEch</b> erative Data whether an echo was <i>UsualRangeLow:</i>	perform	ACCField: ReportField: ModelField: Format: DataLength:	Not ma Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	Ha	Core:	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:	<b>TEch</b> erative Data whether an echo was <i>UsualRangeLow:</i>	perform	ACCField: ReportField: ModelField: Format: DataLength:	Not ma Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	Ha	Core:	Yes
Short Name: <b>POpT</b> Section Name: Postop DBTableName Adult Definition: Indicate LowValue: HighValue: Parent Long Name: ParentShortName: ParentValue: Harvest Codes:	<b>TEch</b> erative Data whether an echo was <i>UsualRangeLow:</i> <i>UsualRangeHigh:</i>	perform	ACCField: ReportField: ModelField: Format: DataLength:	Not ma Text ( specif	apped <i>NQFField:</i> <i>PQRIField:</i> categorical va	Ha	Core:	5744 Yes Yes

STS Adult Cardiac Database		Version: 2.73	<u>}</u>
Long Name:	Postop Echo Aortic Insufficiency	<i>SeqNo:</i> 5745	5
Short Name:	POpTTAR	Core: Yes	s
Section Name	: Postoperative	Harvest: Yes	3

*Definition:* Indicate the highest level of aortic regurgitation found on post op echo prior to discharge. Mild-to-moderate should be coded as moderate; moderate to severe should be coded as severe.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Postop Echo	Format:	Text (categorical values specified by STS)
ParentShortName:	POpTTEch	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes:

Code:	Value:
1	None
2	Trace/trivial
3	Mild
4	Moderate
5	Severe

Long Name:	Postop Echo Mitral Insufficiency	SeqNo:	5746
Short Name:	POpTTMR	Core:	Yes
Section Name	Postoperative	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the highest level of mitral regurgitation found on post op echo prior to discharge. Mild-to-moderate should be coded as moderate; moderate to severe should be coded as severe.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Postop Echo	Format:	Text (categorical values specified by STS)
ParentShortName:	POpTTEch	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		
Coc	le: Value:		

- 1 None
- 2 Trace/trivial

3	Mild

4 Moderate

5 Severe

Long Name:	Postop Echo Tricuspid Insufficiency	SeqNo:	5747
Short Name:	POpTTTR	Core:	Yes
Section Name	· Postoperative	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the highest level of tricuspid regurgitation found on post op echo prior to discharge. Mild-to-moderate should be coded as moderate; moderate to severe should be coded as severe.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Postop Echo	Format:	Text (categorical values specified by STS)
ParentShortName:	POpTTEch	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Codes	3:		
Code	e: <u>Value:</u>		
1	None		
2	2 Trace/trivial		
3	B Mild		
2	Moderate		
	5 Severe		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Postop EF Done			SeqNo:	5748
Short Name: POpEFD			Core:	Yes
Section Name: Postoperative			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the Ejection	Fraction was measured	l postoperatively.		
LowValue: UsualRangeLow	ACCField:	Not mapped		
HighValue: UsualRangeHigh	ReportField	: NQFField:		
	ModelField.	PQRIField:		
Parent Long Name:	Format:	Text (categorical values specified by STS)		
ParentShortName:	DataLength	:		
ParentValue:	Data Source	e: User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

STS Adult Cardiac Database		Versio	n: 2.73
Long Name: Postop EF		SeqNo:	5749
Short Name: POpEF		Core:	Yes
Section Name: Postoperative		Harvest:	Yes
DBTableName AdultData			
<i>Definition:</i> Indicate the percentage of the blood emmeasured postoperatively.	nptied from the left ventricle at the end o	f the contraction	n
Enter a percentage in the range of 1 - 99 using the "mean" (i.e., 50-55%, is report	9. If a percentage range is reported, reported as 53%).	ort a whole nur	nber
Values reported as: Normal = 60% Good function = 50% Mildly reduced = 45% Fair function = 40% Moderately reduced = 30% Poor function = 25% Severely reduced = 20%			
LowValue: 1.0 UsualRangeLow: 5.0	ACCField: Not mapped		
HighValue: 99.0 UsualRangeHigh: 99.0	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Postop EF Done	Format: Real		
ParentShortName: POpEFD	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Long Name: Postop Cardiac Enzymes Drawn		SeqNo:	5750
Short Name: POpEnzDrawn		Core:	Yes
Section Name: Postoperative		Harvest:	Yes
DBTableName AdultData			

*Definition:* Indicate whether Cardiac Enzymes (biomarkers) were drawn post procedure.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User
Harvest Codes:			
Code:	Value:		

1 Yes

STS Adult Cardiac Database

2 No		
Long Name: Postop Peak CKMB		<i>SeqNo:</i> 5751
Short Name: POpPkCKMB		Core: Yes
Section Name: Postoperative		Harvest: Yes
DBTableName AdultData		
Definition: Indicate the peak CKMB (highest le	vel post procedure).	
LowValue: 0.0 UsualRangeLow:	ACCField: Not mapped	
HighValue: 5000.0 UsualRangeHigh:	ReportField: NQFField:	
	ModelField: PQRIField	:
Parent Long Name: Postop Cardiac Enzymes Drawn	Format: Real	
ParentShortName: POpEnzDrawn	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
	2	
		SeqNo: 5752
		SeqNo: 5752 Core: Yes
Long Name: Postop Peak Troponin I		-
Long Name: Postop Peak Troponin I Short Name: <b>POpPkTrI</b>		Core: Yes
Long Name:Postop Peak Troponin IShort Name:POpPkTrISection Name:Postoperative		Core: Yes
Long Name:Postop Peak Troponin IShort Name:POpPkTrISection Name:PostoperativeDBTableNameAdultData		Core: Yes
Long Name:Postop Peak Troponin IShort Name:POpPkTrISection Name:PostoperativeDBTableNameAdultDataDefinition:Indicate the peak Troponin I (highes)	t level post procedure).	Core: Yes Harvest: Yes
Long Name:Postop Peak Troponin IShort Name:POpPkTrISection Name:PostoperativeDBTableNameAdultDataDefinition:Indicate the peak Troponin I (highesLowValue:0.0UsualRangeLow:	t level post procedure). ACCField: Not mapped	Core: Yes Harvest: Yes
Long Name:Postop Peak Troponin IShort Name:POpPkTrISection Name:PostoperativeDBTableNameAdultDataDefinition:Indicate the peak Troponin I (highesLowValue:0.0UsualRangeLow:	t level post procedure). ACCField: Not mapped ReportField: NQFField:	Core: Yes Harvest: Yes
Long Name:Postop Peak Troponin IShort Name:POpPkTrISection Name:PostoperativeDBTableNameAdultDataDefinition:Indicate the peak Troponin I (highesLowValue:0.0UsualRangeLow:HighValue:5000.0UsualRangeHigh:Parent Long Name:Postop Cardiac Enzymes	t level post procedure). ACCField: Not mapped ReportField: NQFField: ModelField: PQRIField.	Core: Yes Harvest: Yes

STS Adult Cardiac Database		Versio	on: 2.73
Long Name: Postop Peak Troponin T		SeqNo:	5753
Short Name: POpPkTrT		Core:	Yes
Section Name: Postoperative		Harvest:	Yes
DBTableName AdultData			
Definition: Indicate the peak Troponin T (h	ighest level post procedure).		
LowValue: 0.0 UsualRangeLow:	ACCField: Not mapped		
HighValue: 5000.0 UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Postop Cardiac Enzyme Drawn	es Format: Real		
ParentShortName: POpEnzDrawn	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Long Name: Postop 12 Lead EKG Short Name: POpEKG Section Name: Postoperative DBTableName AdultData Definition: Indicate the post procedure 12 1		SeqNo: Core: Harvest:	5754 Yes Yes
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
Parent Long Name:	ModelField:PQRIField:Format:Text (categorical values specified by STS)		
ParentShortName:	DataLength:		
ParentValue:	Data Source: User		
Harvest Codes:			
Code: Value:			
1 Not Performed			
2 No Significant Chang	ges		
3 New Pathological Q- LBBB	Wave or		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Postop Imaging Study			SeqNo:	5755
Short Name: POpImagStdy			Core:	Yes
Section Name: Postoperative			Harvest:	Ye
DBTableName AdultData				
Definition: Indicate the post procedure imaging stu	ıdy findings, if	performed.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Name:	Format:	Text (categorical values specified by STS)		
ParentShortName:	DataLength:			
ParentValue:	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Not performed				
2 Angiographic evidence of new thrombosis or occlusion of graft or native coronary	1			
3 Imaging evidence of new los of viable myocardium	55			
4 No evidence of new myocardial injury				
Long Name: Post-Op Events			SeqNo:	5759
Short Name: Complics			Core:	Ye
Section Name: Postoperative Events			Harvest:	Ye
DBTableName AdultData				
<i>Definition:</i> Indicate whether a postoperative event the entire postoperative period up to di			argery. This ir	ncludes

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:		Format:	Text (categorical values specified by STS)
ParentShortName:		DataLength:	
ParentValue:		Data Source:	User

Harvest Codes:

Code: Value:

STS Adult Cardiac Database			Versio	on: 2.73
1 Yes				
2 No				
Long Name: Post-Op-ReOp Bleed			SeqNo:	5760
Short Name: COpReBld			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the patient was reex either in the ICU or returned to the o		astinal bleeding with or	without tampona	ıde
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField:	Yes	
	ModelField:	No PQRIField:	Yes	
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)	ues	
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
<u>Code: Value:</u>				
1 Yes				
2 No				
Long Name: Post-Op-ReOp Bleed Timing			SeqNo:	5770
Short Name: COpReBldTim			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate when reoperation for bleedin	ng took place.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Post-Op-ReOp Bleed	Format:	Text (categorical values specified by STS)	ues	
ParentShortName: COpReBld	DataLength:			
ParentValue: = "Yes"	Data Source.	User		
Harvest Codes and Value Definitions:				
Code: Value:	Definition	<u>n:</u>		
1 Acute	Within 24	4 hours of the end of th	e case	
2 Late	more that	n 24 hours after case en	ıds	

STS Adult Cardiac Database	Version:	2.73
Long Name: Post-Op-ReOp Vlv Dys	SeqNo:	5780
Short Name: COpReVlv	Core:	Yes
Section Name: Postoperative Events	Harvest:	Yes

*Definition:* Indicate whether the patient returned to the operating room for prosthetic or native valve dysfunction.

Dysfunction may be structural and/or non-structural failure. Dysfunction may be of a prosthesis, a progressive native disease process, or an acute event process that disrupts valve function and creates either clinical compromising insufficiency/regurgitation or valve orifice narrowing.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: Yes
		ModelField:	No PQRIField: No
Parent Long Name:	Post-Op Events	Format:	Text (categorical values specified by STS)
ParentShortName:	Complics	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Harvest Codes:

Code: Value:

1 Yes 2 No

Long Name:Post-Op-Reintervention-Graft OcclusionSeqNo:5790Short Name:COpReGftCore:YesSection Name:Postoperative EventsHarvest:Yes

DBTableName AdultData

*Definition:* Indicate whether the patient returned to the operating room or the cath lab for intervention of coronary graft occlusion due to acute closure, thrombosis, technical or embolic origin.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	Yes
		ModelField:	No	PQRIField:	Yes
Parent Long Name:	Post-Op Events	Format:		categorical va ied by STS)	lues
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	es:				
Cod	de: Value:				
	1				

1 Yes

STS Adult Cardiac Database

2 No						
Long Name: Post-Op-ReOp Other Card					SeqNo:	5800
Short Name: COpReOth					Core:	Yes
Section Name: Postoperative Events					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether the patient returned	l to the operating	room for	other cardia	c reas	ons.	
LowValue: UsualRangeLow:	ACCField:	Not map	ped			
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField:	Yes		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Post-Op Events	Format:		tegorical va d by STS)	lues		
ParentShortName: Complics	DataLength:					
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						
Long Name: Post-Op-ReOp Other Non Card					SeqNo:	5810
Short Name: COpReNon					Core:	Yes
Section Name: Postoperative Events					Harvest:	Yes

DBTableName AdultData

Definition: Indicate whether the patient returned to the operating room for other non-cardiac reasons.

This includes procedures requiring a return to the operating room such as tracheostomy, hematoma evacuation, planned delayed sternal closure, general surgery procedures.

This does not include procedures performed outside the operating room such as GI Lab for peg tube, shunts for dialysis, etc.

LowValue:	UsualRangeLow:	ACCField:	Not ma	apped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name:	Post-Op Events	Format:	,	categorical va ied by STS)	lues
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		

Harvest Codes:

Code: Value:

1 Yes					
2 No					
Long Name: Post-Op-Op	en Chest With Planne	d Delayed Sternal	Closure	SeqNo:	5811
Short Name: COpPlndDelay			Core:	Yes	
Section Name: Postoperativ	ve Events			Harvest:	Yes
DBTableName AdultData					
Definition: Indicate wheth	ner the chest was left o	open with planned	delayed sternal closure.		
LowValue: Usu	alRangeLow:	ACCField:	Not mapped		
HighValue: Usu	alRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name: Post-C	Dp Events	Format:	Text (categorical values specified by STS)		
ParentShortName: Compl	ics	DataLength:			
<i>ParentValue:</i> = "Yes	."	Data Source:	User		
Harvest Codes:					
Code: Val	<u>ue:</u>				
1 Yes					
2 No					

STS Adult Ca	ardiac Database				Versio	on: 2.73
Long Name:	Comps-Op-Perioperative MI				SeqNo:	5820
Short Name:	COpPerMI				Core:	No
Section Nam	e: Postoperative Events				Harvest:	No
DBTableNar	ne AdultData					
Definition:	( 0-24 hours post-op) Indicate the presence of a peri-opera by the following criteria:	tive MI ( 0-24 ho	ours pos	st-op) as docur	nented	
	The CK-MB (or CK if MB not avail upper limit of normal, with or witho ECG leads. No symptoms required.					
	(> 24 hours post-op) Indicate the presence of a peri-opera least one of the following criteria:	tive MI (> 24 ho	urs pos	t-op) as docum	ented by at	
	<ol> <li>Evolutionary ST- segment elevati</li> <li>Development of new Q- waves in</li> <li>New or presumably new LBBB path.</li> <li>The CK-MB (or CK if MB not av upper limit of normal</li> </ol>	two or more con attern on the ECC	3		o 3 times the	
	Because normal limits of certain blo your lab for normal limits for CK-M		, please	e check with		
	Defining Reference Control Values Reference values must be determine using specific assays with appropria reviewed journals. Acceptable impre 99th percentile for each assay should individual laboratory should confirm specific setting.	d in each laborate te quality control ecision (coefficient d be defined as <	ory by s , as rep nt of va or = to	tudies orted in peer- riation) at the 10%. Each		
	This element should not be coded as MI's unless their enzymes peak, fall					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:		NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long	Name: Post-Op Events	Format:		(categorical va fied by STS)	lues	
ParentShort	Name: Complics	DataLength:	-	•		
ParentValue	-	Data Source.	User			
Harve	st Codes:					
That ve	<u>Code:</u> <u>Value:</u>					
	1 Yes					

STS Adult Cardiac Database

Long Name: Post-Op-Sternotomy Issue			SeqNo:	5830
Short Name: CSternal			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate presence of a post operativ	e sternotomy issue	within 30 days of procedu	ure.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code:</u> Value:				
1 Yes				
2 No				
Long Name: Post-Op Sternal instability/dehise	cence (sterile)		SeqNo:	5840
Short Name: CSternalDehis			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: The code indicates sterile dehiscent requires surgical intervention. Skin			fection but wh	nich
requires surgical intervention. Skin	and subcutaneous		fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow:	and subcutaneous	tissue may remain intact.	fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow:	and subcutaneous <i>ACCField</i> :	tissue may remain intact. Not mapped	fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	and subcutaneous ACCField: ReportField:	tissue may remain intact. Not mapped <i>NQFField:</i>	fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Post-Op-Sternotomy Issue	and subcutaneous ACCField: ReportField: ModelField:	tissue may remain intact. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Post-Op-Sternotomy Issue ParentShortName: CSternal	and subcutaneous ACCField: ReportField: ModelField: Format:	tissue may remain intact. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Post-Op-Sternotomy Issue ParentShortName: CSternal	and subcutaneous ACCField: ReportField: ModelField: Format: DataLength:	tissue may remain intact. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Post-Op-Sternotomy Issue ParentShortName: CSternal ParentValue: = "Yes"	and subcutaneous ACCField: ReportField: ModelField: Format: DataLength:	tissue may remain intact. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	fection but wl	nich
requires surgical intervention. Skin LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Post-Op-Sternotomy Issue ParentShortName: CSternal ParentValue: = "Yes" Harvest Codes:	and subcutaneous ACCField: ReportField: ModelField: Format: DataLength:	tissue may remain intact. Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	fection but wl	nich

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Post-Op-Surgical Site Infection			SeqNo:	5841
Short Name: SurSInf			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether surgical site infect	ction was diagnosed	l within 30 days of the pro	cedure.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code: Value:</u>				
1 Yes				
2 No				
Long Name: Post-Op-Sternal-Superficial Wo	und Infection		SeqNo:	5850
Short Name: CSternalSupInf	und Infection		Core:	Yes
Short Name: CSternalSupInf Section Name: Postoperative Events	und Infection		•	
Short Name: CSternalSupInf Section Name: Postoperative Events DBTableName AdultData			Core: Harvest:	Yes
Short Name: CSternalSupInf Section Name: Postoperative Events		occurred within 30 days o	Core: Harvest:	Yes
Short Name: CSternalSupInf Section Name: Postoperative Events DBTableName AdultData		occurred within 30 days o Not mapped	Core: Harvest:	Yes
Short Name: CSternalSupInf Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether a superficial sterr	nal wound infection ACCField: ReportField:	-	Core: Harvest:	Yes
Short Name:CSternalSupInfSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether a superficial sterrLowValue:UsualRangeLow:	nal wound infection ACCField:	Not mapped	Core: Harvest:	Yes
Short Name:CSternalSupInfSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether a superficial sterrLowValue:UsualRangeLow:	nal wound infection ACCField: ReportField:	Not mapped NQFField:	Core: Harvest:	Yes
Short Name:CSternalSupInfSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether a superficial sternLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op-Surgical Site	nal wound infection ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Core: Harvest:	Yes
Short Name:CSternalSupInfSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether a superficial sterrLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op-Surgical Site Infection	nal wound infection ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes
Short Name:CSternalSupInfSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether a superficial sterrLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op-Surgical Site InfectionParentShortName:SurSInf	nal wound infection ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes
Short Name:CSternalSupInfSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether a superficial sternLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op-Surgical Site InfectionParentShortName:SurSInfParentValue:= "Yes"	nal wound infection ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes
Short Name:CSternalSupInfSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether a superficial sternLowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op-Surgical Site InfectionParentShortName:SurSInf ParentValue:ParentValue:= "Yes"Harvest Codes:	nal wound infection ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Post-Op-Infect-Deep Sternal Infec	ction		SeqNo:	5860
Short Name: CIStDeep			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether the patient, within a muscle, bone, and/or mediastinum R Must have ALL of the following control of the following co	EQUIRING OPP			lving
<ol> <li>Wound opened with excision of</li> <li>Positive culture unless patient on</li> <li>Treatment with antibiotics beyon</li> </ol>	tissue (I&D) or real antibiotics at tin	ne of culture or no cultu		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField:	Yes	
	ModelField:	No PQRIField:	No	
Parent Long Name: Post-Op-Surgical Site Infection	Format:	Text (categorical values specified by STS)	ues	
ParentShortName: SurSInf	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
<u>Code:</u> <u>Value:</u>				
1 Yes				
2 No				
Long Name: Post-Op-Sternal-Mediastinitis			SeqNo:	5870
Short Name: CSternalMedia			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the patient develop	ed mediastinitis v	within 30 days of the su	rgical procedure.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Post-Op-Surgical Site Infection	Format:	Text (categorical values specified by STS)	ues	
ParentShortName: SurSInf	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

Long Name: Post-Op-Sternal-Mediastini	itis - Date of Diagnosis	SeqNo:	5880
Short Name: CSternalMediaDtDiag		Core:	Ye
Section Name: Postoperative Events		Harvest:	Ye
DBTableName AdultData			
Definition: Indicate the date one which the	ne mediastinitis was diagnosed.		
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Post-Op-Sternal- Mediastinitis	<i>Format:</i> Date mm/dd/yyyy		
ParentShortName: CSternalMedia	DataLength:		
<i>ParentValue:</i> = "Yes"	Data Source: User		
Packing/Irrigation Short Name: CSternalMediaSPOpen Section Name: Postoperative Events DBTableName AdultData		Core: Harvest:	Ye: Ye:
	by procedure performed to treat the mediastinitis rigation.	included leaving	g the
LowValue: UsualRangeLow:	ACCField: Not mapped		
HighValue: UsualRangeHigh:	ReportField: NQFField:		
	ModelField: PQRIField:		
Parent Long Name: Post-Op-Sternal- Mediastinitis	ModelField:PQRIField:Format:Text (categorical value specified by STS)	es	
	<i>Format:</i> Text (categorical value	es	
Mediastinitis	<i>Format:</i> Text (categorical value specified by STS)	es	
Mediastinitis ParentShortName: CSternalMedia	<i>Format:</i> Text (categorical value specified by STS) <i>DataLength:</i>	es	
Mediastinitis ParentShortName: CSternalMedia ParentValue: = "Yes"	<i>Format:</i> Text (categorical value specified by STS) <i>DataLength:</i>	es	
Mediastinitis ParentShortName: CSternalMedia ParentValue: = "Yes" Harvest Codes:	<i>Format:</i> Text (categorical value specified by STS) <i>DataLength:</i>	es	

STS Adult Car	diac Database			Versic	n: 2.73
Long Name:	Post-Op-Sternal-Mediastinitis - S	Secondary Procedu	re - Wound Vac	SeqNo:	5900
Short Name:	CSternalMediaSPWVa c	5		Core:	Yes
Section Name.	Postoperative Events			Harvest:	Yes
DBTableName	e AdultData				
Definition: I	ndicate whether the secondary pro	cedure performed	to treat the mediastinitis in	cluded wound	l vac.
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long N	Name: Post-Op-Sternal- Mediastinitis	Format:	Text (categorical values specified by STS)		
ParentShortNo	ame: CSternalMedia	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest	t Codes:				
	<u>Code:</u> <u>Value:</u>				
	1 Yes				
	2 No				
Long Name:	Post-Op-Sternal-Mediastinitis - S	Secondary Procedu	re - Muscle Flap	SeaNo:	5910
Long Name: Short Name:	Post-Op-Sternal-Mediastinitis - S CSternalMediaSPMusc le	Secondary Procedu	rre - Muscle Flap	SeqNo: Core:	5910 Yes
Short Name:	*	Secondary Procedu	re - Muscle Flap	•	
Short Name:	CSternalMediaSPMusc le Postoperative Events	Secondary Procedu	rre - Muscle Flap	Core:	Yes
Short Name: Section Name. DBTableName	CSternalMediaSPMusc le Postoperative Events			Core: Harvest:	Yes Yes
Short Name: Section Name. DBTableName	CSternalMediaSPMusc le Postoperative Events AdultData			Core: Harvest:	Yes Yes
Short Name: Section Name. DBTableName Definition: I	CSternalMediaSPMusc le Postoperative Events AdultData ndicate whether the secondary pro	cedure performed	to treat the mediastinitis in	Core: Harvest:	Yes Yes
Short Name: Section Name. DBTableName Definition: I LowValue:	CSternalMediaSPMusc le Postoperative Events AdultData Indicate whether the secondary pro UsualRangeLow:	cedure performed ACCField:	to treat the mediastinitis in Not mapped	Core: Harvest:	Yes Yes
Short Name: Section Name: DBTableName Definition: I LowValue: HighValue:	CSternalMediaSPMusc le Postoperative Events AdultData Indicate whether the secondary pro UsualRangeLow:	cedure performed ACCField: ReportField:	to treat the mediastinitis in Not mapped <i>NQFField:</i>	Core: Harvest:	Yes Yes
Short Name: Section Name: DBTableName Definition: I LowValue: HighValue:	CSternalMediaSPMusc le Postoperative Events AdultData ndicate whether the secondary pro UsualRangeLow: UsualRangeHigh: Vame: Post-Op-Sternal- Mediastinitis	cedure performed ACCField: ReportField: ModelField:	to treat the mediastinitis in Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values	Core: Harvest:	Yes Yes
Short Name: Section Name: DBTableName Definition: I LowValue: HighValue: Parent Long N	CSternalMediaSPMusc le Postoperative Events AdultData ndicate whether the secondary pro UsualRangeLow: UsualRangeHigh: Vame: Post-Op-Sternal- Mediastinitis	cedure performed ACCField: ReportField: ModelField: Format:	to treat the mediastinitis in Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes
Short Name: Section Name: DBTableName Definition: I LowValue: HighValue: Parent Long N ParentShortNa ParentValue:	CSternalMediaSPMusc le Postoperative Events AdultData Indicate whether the secondary pro UsualRangeLow: UsualRangeHigh: Name: Post-Op-Sternal- Mediastinitis ame: CSternalMedia = "Yes"	cedure performed ACCField: ReportField: ModelField: Format: DataLength:	to treat the mediastinitis in Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes
Short Name: Section Name: DBTableName Definition: I LowValue: HighValue: Parent Long N ParentShortNa ParentValue:	CSternalMediaSPMusc le Postoperative Events AdultData Indicate whether the secondary pro UsualRangeLow: UsualRangeHigh: Name: Post-Op-Sternal- Mediastinitis ame: CSternalMedia	cedure performed ACCField: ReportField: ModelField: Format: DataLength:	to treat the mediastinitis in Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes
Short Name: Section Name: DBTableName Definition: I LowValue: HighValue: Parent Long N ParentShortNa ParentValue:	CSternalMediaSPMusc le Postoperative Events AdultData Indicate whether the secondary pro UsualRangeLow: UsualRangeHigh: Name: Post-Op-Sternal- Mediastinitis ame: CSternalMedia = "Yes" t Codes:	cedure performed ACCField: ReportField: ModelField: Format: DataLength:	to treat the mediastinitis in Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes
Short Name: Section Name: DBTableName Definition: I LowValue: HighValue: Parent Long N ParentShortNa ParentValue:	CSternalMediaSPMusc le Postoperative Events AdultData indicate whether the secondary pro UsualRangeLow: UsualRangeHigh: Vame: Post-Op-Sternal- Mediastinitis ame: CSternalMedia = "Yes" Codes: Code: Value:	cedure performed ACCField: ReportField: ModelField: Format: DataLength:	to treat the mediastinitis in Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	Core: Harvest:	Yes Yes

STS Adult Cardiac Da	tabase			Versio	on: 2.73
Long Name: Post-G	Op-Sternal-Mediastinitis - Sec	condary Procedu	are - Omental Flap	SeqNo:	5920
Short Name: CSter ntal	nalMediaSPOme			Core:	Yes
Section Name: Postoj	perative Events			Harvest:	Yes
DBTableName Adul	tData				
Definition: Indicate	whether the secondary proceed	dure performed	to treat the mediastiniti	s included oment	al flap.
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField: ModelField:	NQFField: PQRIField:		
Parent Long Name:	Post-Op-Sternal- Mediastinitis	Format:	Text (categorical valus specified by STS)	ies	
ParentShortName: 0	CSternalMedia	DataLength:			
ParentValue: =	= "Yes"	Data Source.	User		
Harvest Codes	:				
	: Value:				
1	Yes				
2	No				
Long Name: Post-	Op-Infect-Thoracotomy			SeqNo:	5930
Short Name: CITh				Core:	Yes
Section Name: Postoj	perative Events			Harvest:	Yes
DBTableName Adul	tData				
Definition: Indicate	whether the patient had an in	fection involvin	g a thoracotomy or par	asternal site.	
1. Wou 2. Posi	ve ALL of the following cond and opened with excision of ti tive culture unless patient on a tment with antibiotics beyond	ssue (I&D) or reantibiotics at tin	ne of culture or no cultu		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	No NQFField:	No	
		ModelField:	No PQRIField:	No	
_	Post-Op-Surgical Site Infection	Format:	Text (categorical values specified by STS)	ies	
ParentShortName: S	SurSInf	DataLength:			
ParentValue: =	= "Yes"	Data Source.	User		
Harvest Codes	:				
Code	: <u>Value:</u>				
1	Yes				

Long Name:	Post-Op-Infect-Conduit Harvest or Cannulation Site	SeqNo:	5940
Short Name:	CILeg	Core:	Yes
Section Name	· Postoperative Events	Harvest:	Yes

Definition: Indicate whether the patient had an infection involving a conduit harvest or cannulation site

Must have ALL of the following conditions:

- 1. Wound opened with excision of tissue (I&D)
- 2. Positive culture unless patient on antibiotics at time of culture or no culture obtained
- 3. Treatment with antibiotics beyond perioperative prophylaxis

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Post-Op-Surgical Site Infection	Format:	Text (categorical values specified by STS)
ParentShortName:	SurSInf	DataLength:	
ParentValue:	= "Yes"	Data Source.	User
Harvest Code	28:		
<u>Coc</u>	le: <u>Value:</u>		
	1 Yes		
	2 No		

STS Adult Card	iac Database				Versio	on: 2.73
Long Name:	Comps-Infect-Arm				SeqNo:	5950
Short Name:	CIArm				Core:	No
Section Name:	Postoperative Events				Harvest:	No
DBTableName	AdultData					
Definition: In	dicate whether the patient had a	an infection involvin	g an ar	m harvest site.		
1. 2.	ust have one of the following c Wound opened with excision of Positive culture Treatment with antibiotics					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped		
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField: No		
		ModelField:	No	PQRIField: No		
Parent Long No	ame: Post-Op Events	Format:		(categorical values fied by STS)		
ParentShortNat	me: Complics	DataLength:				
ParentValue:	= "Yes"	Data Source:	User			
Harvest	Codes:					
	Code: Value:					
	1 Yes					
	2 No					
Long Name:	Post-Op-Wound Intervention -	Open With Packing	/Irrigat	ion	SeqNo:	5960
Short Name:	WndIntOpen	1 0	U		Core:	Yes
	Postoperative Events				Harvest:	Yes
DBTableName						
2 2 1 40 min	- tool of the					

*Definition:* Indicate whether wound intervention required within 30 days following procedure for wounds other than sternotomy included leaving the incision open with packing/irrigation.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Post-Op-Surgical Site Infection	Format:	Text (categorical values specified by STS)
ParentShortName:	SurSInf	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code			
Cod	le: <u>Value:</u>		
	1 Yes		

2 No

Long Name: Post	-Op-Wound Intervention - V	Vound Vac		SeqNo:	5970
Short Name: Wno	lIntWVac			Core:	Yes
Section Name: Poste	operative Events			Harvest:	Ye
DBTableName Adu	ıltData				
	e whether wound intervention ernotomy included wound variables	-	30 days following proced	ure for wounds	s other
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Post-Op-Surgical Site Infection	Format:	Text (categorical values specified by STS)	3	
ParentShortName:	SurSInf	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
	le: <u>Value:</u> 1 Yes 2 No				
	1 Yes			SeqNo:	6000
Long Name: Com	1 Yes 2 No			SeqNo: Core:	6000 No
Long Name: Com	1 Yes 2 No nps-Infect-Septicemia eptic			•	No
Long Name: Com Short Name: <b>CIS</b>	1 Yes 2 No hps-Infect-Septicemia eptic operative Events			Core:	No
Long Name: Com Short Name: <b>CIS</b> Section Name: Poste DBTableName Adu	1 Yes 2 No hps-Infect-Septicemia eptic operative Events	pticemia (requires j	positive blood cultures) p	Core: Harvest:	No No
Long Name: Com Short Name: <b>CIS</b> Section Name: Poste DBTableName Adu	1 Yes 2 No nps-Infect-Septicemia eptic operative Events IltData	pticemia (requires J ACCField:	positive blood cultures) p Not mapped	Core: Harvest:	No No
Long Name: Com Short Name: <b>CIS</b> Section Name: Post DBTableName Adu Definition: Indicat LowValue:	<ol> <li>Yes</li> <li>No</li> <li>nps-Infect-Septicemia</li> <li>eptic</li> <li>operative Events</li> <li>ultData</li> <li>whether the patient had septime</li> </ol>		Not mapped	Core: Harvest: ostoperatively.	Ne Ne
Long Name: Com Short Name: <b>CIS</b> Section Name: Poste DBTableName Adu Definition: Indicat	<ol> <li>Yes</li> <li>No</li> <li>hps-Infect-Septicemia</li> <li>eptic</li> <li>operative Events</li> <li>ltData</li> <li>whether the patient had seg UsualRangeLow:</li> </ol>	ACCField:	Not mapped Yes <i>NQFField:</i> No	Core: Harvest: ostoperatively.	Ne Ne

DataLength:

Data Source: User

ParentShortName: Complics ParentValue: = "Yes"

Harvest Codes:

- Code: Value: 1 Yes
  - 2 No

STS Adult Cardiac Database		Versio	Version: 2.73	
Long Name:	Post-Op-Sepsis	SeqNo:	6010	
Short Name:	CSepsis	Core:	Yes	
Section Name: Postoperative Events		Harvest:	Yes	

*Definition:* Sepsis is defined as evidence of serious infection accompanied by a deleterious systemic response. In the time period of the first 48 postoperative or postprocedural hours, the diagnosis of sepsis requires the presence of a Systemic Inflammatory Response Syndrome (SIRS) resulting from a proven infection (such as bacteremia, fungemia or urinary tract infection). In the time period after the first 48 postoperative or postprocedural hours, sepsis may be diagnosed by the presence of a SIRS resulting from suspected or proven infection. During the first 48 hours, a SIRS may result from the stress associated with surgery and/or cardiopulmonary bypass. Thus, the clinical criteria for sepsis during this time period should be more stringent. A systemic inflammatory response syndrome (SIRS) is present when at least two of the following criteria are present: hypo- or hyperthermia (>38.5 or <36.0), tachycardia or bradycardia, tachypnea, leukocytosis or leukopenia, and thrombocytopenia.

LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Codes:					
<u>Coo</u>	le: <u>Value:</u>				
	1 Yes				
	2 No				

STS Adult Cardiac	Database			Versio	on: 2.73
Long Name: Pos	st-Op-Sepsis-Positive Blood	Cultures		SeqNo:	6020
Short Name: CS	SepsisPBC			Core:	Yes
Section Name: Pos	stoperative Events			Harvest:	Yes
DBTableName Ad	dultData				
	ate whether a recognized path infection at another site.	nogen is cultured fr	om 1 or more blood	d cultures and is not r	elated
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField	<i>d:</i>	
		ModelField:	PQRIFiel	ld:	
Parent Long Name	e: Post-Op-Sepsis	Format:	Text (categorical specified by STS		
ParentShortName:	CSepsis	DataLength:			
ParentValue:	= "Yes"	Data Source.	User		
Harvest Coo	les:				
<u>Cc</u>	ode: Value:				
	1 Yes				
	2 No				
Long Name: Pos	st-Op-Neuro-Stroke Perm			SeqNo:	6030
Short Name: CN	<b>VStrokP</b>			Core:	Yes
Section Name: Pos	stoperative Events			Harvest:	Yes
DBTableName Ad	dultData				
	ate whether the patient has a pot onset caused by a disturban		•	-	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField	d: Yes	
		ModelField:	No PQRIFiel	d: No	
Parent Long Name	e: Post-Op Events	Format:	Text (categorical specified by STS		
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source.	User		
	les:				
Harvest Coc					
	ode: Value:				

STS Adult Cardiac Database	Ve	rsion: 2.73
Long Name: Post-Op-Neuro-Transient	Ischemic Attack - TIA SeqNo:	6040
Short Name: CNStrokTTIA	Core	: Yes
Section Name: Postoperative Events	Harvest:	Yes
DBTableName AdultData		
	had a postoperative Transient Ischemic Attack (TIA): Loss of as abrupt in onset but with complete return of function within	24 hours.
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh	: ReportField: Yes NQFField: No	
	ModelField: No PQRIField: No	
Parent Long Name: Post-Op Events	<i>Format:</i> Text (categorical values specified by STS)	
ParentShortName: Complics	DataLength:	
<i>ParentValue:</i> = "Yes"	Data Source: User	
Hamset Cadaa		
Harvest Codes:		
<u>Code:</u> <u>Value:</u> 1 Yes		
2 No		
2 110		
Long Name: Comps-Neuro-Stroke Tra	ns - RIND SeqNo:	6050
Long Name:Comps-Neuro-Stroke TraShort Name:CNStrokTRIND	ns - RIND SeqNo: Core	
· ·	•	
Short Name: CNStrokTRIND	Core	: No
Short Name: CNStrokTRIND Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (Fon with symptoms at least 24 hours after onset but with comple	: No No RIND):
Short Name: CNStrokTRIND Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient Loss of neurological function	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (Fon with symptoms at least 24 hours after onset but with comple	: No No RIND):
Short Name: CNStrokTRIND Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient Loss of neurological function of function within 72 hours	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (F on with symptoms at least 24 hours after onset but with comple ACCField: Not mapped	: No No RIND):
Short Name:CNStrokTRINDSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether the patient Loss of neurological function of function within 72 hoursLowValue:UsualRangeLow:	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (F on with symptoms at least 24 hours after onset but with comple ACCField: Not mapped	: No No RIND):
Short Name:CNStrokTRINDSection Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether the patient Loss of neurological function of function within 72 hoursLowValue:UsualRangeLow:	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (F on with symptoms at least 24 hours after onset but with comple ACCField: Not mapped : ReportField: Yes NQFField: No	: No No RIND):
Short Name:       CNStrokTRIND         Section Name:       Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient         Loss of neurological function       of function within 72 hours         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHight	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (F on with symptoms at least 24 hours after onset but with comple ACCField: Not mapped : ReportField: Yes NQFField: No ModelField: No PQRIField: No Format: Text (categorical values	: No No RIND):
Short Name:       CNStrokTRIND         Section Name:       Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient         Loss of neurological function       of function within 72 hours         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh         Parent Long Name:       Post-Op Events	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (F on with symptoms at least 24 hours after onset but with comple ACCField: Not mapped : ReportField: Yes NQFField: No ModelField: No PQRIField: No Format: Text (categorical values specified by STS)	: No No RIND):
Short Name:       CNStrokTRIND         Section Name:       Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient Loss of neurological function of function within 72 hours         LowValue:       UsualRangeLow: HighValue:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics ParentValue:	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (For with symptoms at least 24 hours after onset but with comple ACCField: Not mapped : ReportField: Yes NQFField: No ModelField: No PQRIField: No Format: Text (categorical values specified by STS) DataLength:	: No No RIND):
Short Name:       CNStrokTRIND         Section Name:       Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient Loss of neurological function of function within 72 hours         LowValue:       UsualRangeLow: HighValue:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics ParentValue:         Harvest Codes:       Harvest Codes:	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (For with symptoms at least 24 hours after onset but with comple ACCField: Not mapped : ReportField: Yes NQFField: No ModelField: No PQRIField: No Format: Text (categorical values specified by STS) DataLength:	: No No RIND):
Short Name:       CNStrokTRIND         Section Name:       Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient Loss of neurological function of function within 72 hours         LowValue:       UsualRangeLow: HighValue:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics ParentValue:	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (For with symptoms at least 24 hours after onset but with comple ACCField: Not mapped : ReportField: Yes NQFField: No ModelField: No PQRIField: No Format: Text (categorical values specified by STS) DataLength:	: No No RIND):
Short Name: CNStrokTRIND Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient Loss of neurological function of function within 72 hours LowValue: UsualRangeLow: HighValue: UsualRangeHigh Parent Long Name: Post-Op Events ParentShortName: Complics ParentValue: = "Yes" Harvest Codes: <u>Code: Value:</u>	Core Harvest: had a postoperative Reversible Ischemic Neurologic Deficit (For with symptoms at least 24 hours after onset but with comple ACCField: Not mapped : ReportField: Yes NQFField: No ModelField: No PQRIField: No Format: Text (categorical values specified by STS) DataLength:	: No No RIND):

STS Adult Cardiac Database			Versi	on: 2.73
<i>Long Name:</i> Comps-Neuro-Cont Coma >=24H	Hrs		SeqNo:	6060
Short Name: CNComa			Core:	No
Section Name: Postoperative Events			Harvest:	No
DBTableName AdultData				
<i>Definition:</i> Indicate whether the patient had a n secondary to anoxic/ischemic and/o bleed.				ebral
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No	)	
	ModelField:	No PQRIField: No	)	
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)	3	
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
$\frac{1}{1}$ Yes				
2 No				
Long Name: Post-Op-Neuro-Coma/Encephalo	pathy		SeqNo:	6070
Short Name: CNComaEnceph	1 5		-	
			Core:	Yes
Section Name: Postoperative Events			Core: Harvest:	Yes Yes
-				
Section Name: Postoperative Events	ped a postoperativ	e coma and/or encephalop	Harvest:	
Section Name: Postoperative Events DBTableName AdultData	ped a postoperativ ACCField:	e coma and/or encephaloj Not mapped	Harvest:	
Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient develop			Harvest:	
Section Name:Postoperative EventsDBTableNameAdultDataDefinition:Indicate whether the patient developLowValue:UsualRangeLow:	ACCField:	Not mapped	Harvest:	
Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient develop LowValue: UsualRangeLow:	ACCField: ReportField:	Not mapped NQFField:	<i>Harvest:</i>	
Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient develop LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField: ReportField: ModelField:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values)	<i>Harvest:</i>	
Section Name: Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient develop         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Post-Op Events	ACCField: ReportField: ModelField: Format:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	<i>Harvest:</i>	
Section Name: Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient develop         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	<i>Harvest:</i>	
Section Name: Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient develop         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics         ParentValue:       = "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	<i>Harvest:</i>	
Section Name: Postoperative Events DBTableName AdultData Definition: Indicate whether the patient develop LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Post-Op Events ParentShortName: Complics ParentValue: = "Yes" Harvest Codes:	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	<i>Harvest:</i>	
Section Name: Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient develop         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics         ParentValue:       = "Yes"         Harvest Codes:       Code:         Value:       Value:	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	<i>Harvest:</i>	
Section Name: Postoperative Events         DBTableName       AdultData         Definition:       Indicate whether the patient develop         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics         ParentValue:       = "Yes"         Harvest Codes:       Code:         1       None	ACCField: ReportField: ModelField: Format: DataLength:	Not mapped <i>NQFField:</i> <i>PQRIField:</i> Text (categorical values specified by STS)	<i>Harvest:</i>	

5	Μ	etal	bol	lic	
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- 6 Intracranial Bleeding
- 7 Other

Long Name:	Post-Op-Neuro-Paralysis	SeqNo:	6110
Short Name:	CNParal	Core:	Yes
Section Name.	· Postoperative Events	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient had a new postoperative paralysis, paraparesis, or paraplegia related to spinal cord ischemia and not related to a stroke.

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name:	Post-Op Events	Format:		categorical va ed by STS)	lues
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		

Harvest Codes:

Code:	Value:
1	Yes
2	No

Long Name:	Post-Op-Neuro-Paralysis Type	SeqNo:	6120
Short Name:	CNParalTy	Core:	Yes
Section Name.	Postoperative Events	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the new postoperative paralysis, paraparesis, or paraplegia was transient or permanent.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Post-Op-Neuro-Paralysis	Format:	Text (categorical values specified by STS)
ParentShortName:	CNParal	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Harvest Codes:

Code: Value:

1 Transient

2 Permanent

Long Name:	Post-Op-Pulm-Vent Prolonged	SeqNo:	6130
Short Name:	CPVntLng	Core:	Yes
Section Name.	Postoperative Events	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient had prolonged pulmonary ventilator > 24 hours.

Include (but not limited to) causes such as ARDS, pulmonary edema, and/or any patient requiring mechanical ventilation > 24 hours postoperatively.

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	Yes
		ModelField:	No	PQRIField:	No
Parent Long Name:	Post-Op Events	Format:		categorical va led by STS)	lues
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		

Harvest Codes:

Code: Value: 1 Yes 2 No

Long Name: Comp	s-Pulm-Pulm Embolism					SeqNo:	6140
Short Name: CPPul	lEmb					Core:	No
Section Name: Postop	perative Events					Harvest:	No
DBTableName Adult	Data						
	whether the patient had a puln m, or spiral CT.	nonary embolis	sm diagi	nosed by study	y such	as V/Q scan,	
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name: 1	Post-Op Events	Format:		(categorical va Fied by STS)	alues		
ParentShortName: C	Complics	DataLength:					
ParentValue: =	"Yes"	Data Source:	User				
Harvest Codes: <u>Code:</u> 1	<u>Value:</u> Yes						

STS Adult Cardiac Database

2 No

	2 N0		
Long Name:	Post-Op-Pulm-Pneumonia	SeqNo:	6150
Short Name:	CPPneum	Core:	Yes
Section Name	: Postoperative Events	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient had Pneumonia diagnosed by any of the following: positive cultures of sputum, transtracheal fluid, bronchial washings, and/or clinical findings consistent with the diagnosis of pneumonia (which may include chest x-ray diagnostic of pulmonary infiltrates).

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Post-Op Events	Format:	Text (categorical values specified by STS)
ParentShortName:	Complics	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

Harvest Codes:

Code: Value: 1 Yes 2 No

Long Name:	Post-Op-Venous Thromboembolism-VTE	SeqNo:	6160
Short Name:	CVTE	Core:	Yes
Section Name:	Postoperative Events	Harvest:	Yes

DBTableName AdultData

Definition: Indicate whether the patient developed postoperative venous thrombosis or thromboembolic event.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	NQFField:
		ModelField:	PQRIField:
Parent Long Name:	Post-Op Events	Format:	Text (categorical values specified by STS)
ParentShortName:	Complics	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	28:		
<u>Coc</u>	le: <u>Value:</u>		
	1 Yes		
	2 No		

STS Adult Cardiac D				versic	on: 2.73
Long Name: Post	-Op-Pulmonary Thromboemb	olism		SeqNo:	6170
	nEmb			Core:	Ye
Section Name: Post	operative Events			Harvest:	Yes
DBTableName Adu	ıltData				
	e whether the patient had a pu scan, angiogram, or spiral CT		bembolism diagnosed by ra	diologic stud	y such
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Post-Op-Venous Thromboembolism-VTE	Format:	Text (categorical values specified by STS)		
ParentShortName:	CVTE	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	s:				
Cod	e: Value:				
	1 Yes				
:	2 No				
Long Name: Post	-Op-Deep Venous Thrombosis	s		SeqNo:	6180
Short Name: DV				Core:	Yes
Section Name: Post	operative Events			Harvest:	Yes
DBTableName Adu	ıltData				
Definition: Indicat	e whether patient had thrombo	osis (clot formatio	on) in a deep vein.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name:	Post-Op-Venous Thromboembolism-VTE	Format:	Text (categorical values specified by STS)		
ParentShortName:	CVTE	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Code	s:				
Cod	e: Value:				
	1 Yes				
	2 No				

STS Adult Cardiac I	Database		Versio	n: 2.73
Long Name: Pos	t-Op-Pleural Effusion Requ	iiring Drainage	SeqNo:	6190
Short Name: CP	Eff		Core:	Yes
Section Name: Pos	toperative Events		Harvest:	Ye
DBTableName Ad	ultData			
Definition: Indica inserti		pleural effusion required drainage via	a thoracentesis or chest t	ube
LowValue:	UsualRangeLow:	ACCField: Not mapped		
HighValue:	UsualRangeHigh:	ReportField: NQFFi	eld:	
		ModelField: PQRIF	ield:	
Parent Long Name.	Post-Op Events	Format: Text (categoric specified by S		
ParentShortName:	Complics	DataLength:		
ParentValue:	= "Yes"	Data Source: User		
Harvest Cod	es:			
Со	de: Value:			
	1 Yes			
	2 No			
		The Renal Failure criteria h		
Long Name: Pos	t-Op-Renal-Renal Failure	been changed to meet nations to be a standards. The creatinine r	Nealvo.	6200
Short Name: CR	enFail	3x baseline or >=4.0 to qua	Core	Yes
Section Name: Pos	toperative Events	failure. See training manua		Yes
DBTableName Ad	ultData	RIFLE criteria definitions.		
OR B 1. <del>Inc</del>	OTH of the following:	acute renal failure or worsening renal		NE
LowValue:	UsualRangeLow:	ACCField: Not mapped		
HighValue:	UsualRangeHigh:	ReportField: Yes NQFFi	eld: Yes	
		ModelField: No PQRIF	<i>ield:</i> No	
Parent Long Name.	Post-Op Events	Format: Text (categoric specified by S7		
ParentShortName:	Complics	DataLength:		
ParentValue:	= "Yes"	Data Source: User		
Harvest Cod	es:			
<u>Co</u>	de: Value:			
	1 Yes			

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: Post-Op-Renal-Dialysis Req					SeqNo:	6210
Short Name: CRenDial					Core:	Yes
Section Name: Postoperative Events					Harvest:	Yes
DBTableName AdultData						
<i>Definition:</i> Indicate whether the patient had a new hemodialysis, peritoneal dialysis.	v requirement fo	or dialy	sis postoperati	vely,	which may in	clude
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Post-Op-Renal-Renal Failure	Format:		(categorical va fied by STS)	lues		
ParentShortName: CRenFail	DataLength:					
ParentValue: = "Yes"	Data Source.	User				
Hamart Calari						
Harvest Codes:						
<u>Code:</u> <u>Value:</u> 1 Yes						
2 No						
2 110						
Long Name: Post-Op-Dialysis Duration					SeqNo:	6220
Short Name: DialDur					Core:	Yes
Section Name: Postoperative Events					Harvest:	Yes
DBTableName AdultData						
Definition: Indicate whether dialysis was required	d after hospital o	lischar	ge.			
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:		NQFField:			
	ModelField:		PQRIField:			
Parent Long Name: Post-Op-Renal-Dialysis Req	Format:		(categorical va fied by STS)	lues		
ParentShortName: CRenDial	DataLength:					
ParentValue: = "Yes"	Data Source.	User				
Harvest Codes:						
Code: Value:						
1 Yes						
2 No						

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Post-Op-Ultra Filtration			SeqNo:	6230
Short Name: CUltraFil			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether patient required Ultr	ra filtration.			
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
			<i>a</i>	
Long Name: Post-Op-Vasc-Iliac/Fem Dissect			SeqNo:	6240
Short Name: CVallFem			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether the patient had a dis	section occurrin	g in the iliac or femoral ar	teries.	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				

STS Adult Cardiac Database				Versic	on: 2.73
Long Name: Post-Op-Vasc-Acute Limb Isch				SeqNo:	6250
Short Name: CVaLbIsc				Core:	Yes
Section Name: Postoperative Events				Harvest:	Yes
DBTableName AdultData					
<i>Definition:</i> Indicate whether the patient had any upper or lower limb ischemia.	complication pro	oducing	limb ischemia. T	his may include	e
LowValue: UsualRangeLow:	ACCField:	Not m	apped		
HighValue: UsualRangeHigh:	ReportField:	Yes	NQFField: No	)	
	ModelField:	No	PQRIField: No	)	
Parent Long Name: Post-Op Events	Format:		(categorical values fied by STS)	5	
ParentShortName: Complics	DataLength:				
<i>ParentValue:</i> = "Yes"	Data Source:	User			
Harvest Codes:					
<u>Code:</u> Value:					
1 Yes					
2 No					
Long Name: Comps-Other-Heart Block				SeqNo:	6260
Short Name: COtHtBlk				Core: Harvest:	No
Section Name: Postoperative Events				Harvest:	No
DBTableName AdultData				_	
Definition: Indicate whether the patient had a ne	w heart block red	miring			
pacemaker of any type prior to disch	arge.	18		f a permanent	
pacemaker of any type prior to dischLowValue:UsualRangeLow:	arge. ACCField:	Not m		f a permanent	
	-	Not m		·	
LowValue: UsualRangeLow:	ACCField:	Not m Yes	apped	)	
LowValue: UsualRangeLow:	ACCField: ReportField:	Not m Yes No Text (	apped <i>NQFField:</i> No	- )	
LowValue: UsualRangeLow: HighValue: UsualRangeHigh:	ACCField: ReportField: ModelField:	Not m Yes No Text (	apped <i>NQFField:</i> No <i>PQRIField:</i> No (categorical values	- )	
LowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op Events	ACCField: ReportField: ModelField: Format:	Not m Yes No Text ( specif	apped <i>NQFField:</i> No <i>PQRIField:</i> No (categorical values	- )	
LowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op EventsParentShortName:ComplicsParentValue:= "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text ( specif	apped <i>NQFField:</i> No <i>PQRIField:</i> No (categorical values	- )	
LowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op EventsParentShortName:ComplicsParentValue:= "Yes"Harvest Codes:	ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text ( specif	apped <i>NQFField:</i> No <i>PQRIField:</i> No (categorical values	- )	
LowValue:UsualRangeLow:HighValue:UsualRangeHigh:Parent Long Name:Post-Op EventsParentShortName:ComplicsParentValue:= "Yes"	ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text ( specif	apped <i>NQFField:</i> No <i>PQRIField:</i> No (categorical values	- )	
LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Post-Op Events         ParentShortName:       Complics         ParentValue:       = "Yes"         Harvest Codes:       Code:         Value:       Value:	ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text ( specif	apped <i>NQFField:</i> No <i>PQRIField:</i> No (categorical values	- )	

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Post-Op-Rhythm Disturbance Re	quiring Perm Dev	ice	SeqNo:	6270
Short Name: CRhythmDis			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether patient developed	a new dysrhythmi	a requiring insertion of a	permanent dev	vice.
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	NQFField:		
	ModelField:	PQRIField:		
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)	5	
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
<u>Code: Value:</u>				
1 Pacemaker				
2 ICD				
3 Pacemaker/ICD				
4 None				
Long Name: Post-Op-Other-Card Arrest			SeqNo:	6280
Short Name: COtArrst			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether the patient had an a. Ventricular fibrillation b. Rapid ventricular tachycardia wit c. Asystole		-	the following:	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No	)	
	ModelField:	No PQRIField: No	)	
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)	5	
ParentShortName: Complics	DataLength:			
ParentValue: = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

Long Name:	Post-Op-Other-Anticoag Event	SeqNo:	6290
Short Name:	COtCoag	Core:	Yes
Section Name	Postoperative Events	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether the patient had bleeding, hemorrhage, and/or embolic events related to anticoagulant therapy postoperatively.

This may include patients who experience Disseminated Intravascular Coagulopathy (DIC) or Heparin Induced Thrombocytopenia (HIT).

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Post-Op Events	Format:	Text (categorical values specified by STS)
ParentShortName:	Complics	DataLength:	
ParentValue:	= "Yes"	Data Source.	User
Harvest Code	s:		
Cod	e: <u>Value:</u>		
	1 Yes		
:	2 No		

STS Adult Cardiac Database		Version: 2.73
Long Name: Post-Op-Other-Tamponade Non-Sur	rgical Intervention	<i>SeqNo:</i> 6300
Short Name: COtTamp		Core: Yes
Section Name: Postoperative Events		Harvest: Yes
DBTableName AdultData		
<i>Definition:</i> Indicate whether the patient had fluid is requiring intervention other than return This should be documented by either: 1. Echo showing pericardial fluid and so 2. Systemic hypotension due to pericard	ning to the operating room, such as p signs of tamponade such as right hea	ericardiocentesis. rt compromise, or
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField:	No
	ModelField: No PQRIField:	No
Parent Long Name: Post-Op Events	Format: Text (categorical va specified by STS)	lues
ParentShortName: Complics	DataLength:	

Data Source: User

Harvest Codes:

ParentValue:

Code:Value:1Yes2No

= "Yes"

STS Adult Cardiac Database			Versio	n: 2.73
Long Name: Post-Op-Other-GI Event			SeqNo:	6310
Short Name: COtGI			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition:Indicate whether the patient had a poster limited to: a. GI bleeding requiring transfusion b. Pancreatitis with abnormal amylase/I c. Cholecystitis requiring cholecystector d. Mesenteric ischemia requiring explore e. Hepatic failure f. Prolonged ileus g. Clostridium difficile	lipase requiring	g nasogastric (NG) suction	-	
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes: <u>Code:</u> <u>Value:</u>				
1 Yes				
2 No				
Long Name: Post-Op-Other-Multi Sys Fail			SeqNo:	6320
Short Name: COtMSF			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the patient had two or	more major of	rgan systems suffer compro	mised functio	ons.
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No		
	ModelField:	No PQRIField: No		
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				

STS Adult Cardiac Database			versio	on: 2.73
1 Yes				
2 No				
Long Name: Post-Op-Other-A Fib			SeqNo:	6330
Short Name: COtAFib			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether the patient had a Does not include recurrence of pre-				
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: No	1	
	ModelField:	No <i>PQRIField:</i> No	•	
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)	i	
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Post-Op-Ao Dissect			SeqNo:	6340
Short Name: CVaAoDis			Core:	Yes
Section Name: Postoperative Events			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate whether the patient had a	dissection occurring	in any part of the aorta.		
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	No <i>NQFField:</i> No	)	
	ModelField:	No <i>PQRIField:</i> No	)	
Parent Long Name: Post-Op Events	Format:	Text (categorical values specified by STS)	i	
ParentShortName: Complics	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source:	User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				

STS Adult Cardiac				versio	on: 2.73
Long Name: Pos	st-Op-Recurrent Laryngeal Ne	erve Injury		SeqNo:	6341
	cLarynNrvInj			Core:	Yes
Section Name: Pos	stoperative Events			Harvest:	Yes
DBTableName Ac	lultData				
	ate whether patient has sympt ulty speaking, etc.).	oms of recurrent la	ryngeal nerve injury, (e.g.	, horseness,	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	les:				
	ode: Value:				
	1 Yes				
	2 No				
L N D				C M	(242
-	st-Op-Phrenic Nerve Injury			SeqNo:	6342 V
	renNrvInj			Core: Harvest:	Yes Yes
Section Name: Pos	-			narvesi:	res
DBTableName Ac			/ .	1.111.	
	ate whether patient has sympt tion of the diaphragm, etc.).	oms of recurrent pl	hrenic nerve injury, (e.g., i	mmobility or	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long Name	: Post-Op Events	Format:	Text (categorical values specified by STS)		
ParentShortName:	Complics	DataLength:			
ParentValue:	= "Yes"	Data Source:	User		
Harvest Cod	les:				
<u>Cc</u>	de: Value:				
	1 Yes				

	atabase					Versic	n: 2.73
Long Name: Post-	-Op-Other-Other					SeqNo:	6350
Short Name: COt	Other					Core:	Yes
Section Name: Posto	operative Events					Harvest:	Yes
DBTableName Adu	ltData						
	e whether a postoperative ev s hospital length of stay and		is not ic	lentified in the	categ	gories above y	vet
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:	Post-Op Events	Format:		(categorical va fied by STS)	alues		
ParentShortName:	Complics	DataLength:					
ParentValue:	= "Yes"	Data Source:	User				
Harvest Codes	ç.						
	e: <u>Value:</u>						
<u></u>							
	2 No						
Long Name: Mort	t-Mortality					SeqNo:	6360
Short Name: Mor	•					Core:	Yes
Section Name: Mort	ality					Harvest:	Yes
	ltData						
DBTableName Adu							
<i>Definition:</i> Indicate from th	e whether the patient has be is hospitalization. This incoperation.						
<i>Definition:</i> Indicate from th	e whether the patient has be is hospitalization. This inc		death,	including thos			
<i>Definition:</i> Indicate from th to the o	e whether the patient has be his hospitalization. This incoperation.	eludes all causes of	death, Not m	including thos	e cau		
Definition: Indicate from th to the o LowValue:	e whether the patient has be his hospitalization. This incorporation. UsualRangeLow:	eludes all causes of ACCField:	death, Not m No	including thos	e cau No		
Definition: Indicate from th to the o LowValue:	e whether the patient has be his hospitalization. This incorporation. UsualRangeLow:	eludes all causes of ACCField: ReportField:	death, Not m No No Text	including thos happed NQFField:	e cau No No		
Definition: Indicate from th to the o LowValue: HighValue:	e whether the patient has be his hospitalization. This incorporation. UsualRangeLow:	eludes all causes of ACCField: ReportField: ModelField: Format:	death, Not m No No Text	including thos apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	e cau No No		
Definition: Indicate from th to the o LowValue: HighValue: Parent Long Name:	e whether the patient has be his hospitalization. This incorporation. UsualRangeLow:	eludes all causes of ACCField: ReportField: ModelField:	death, Not m No No Text speci	including thos apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	e cau No No		
Definition:Indicate from th to the orLowValue:HighValue:Parent Long Name:ParentShortName:	e whether the patient has be his hospitalization. This inc operation. UsualRangeLow: UsualRangeHigh:	eludes all causes of ACCField: ReportField: ModelField: Format: DataLength:	death, Not m No No Text speci	including thos apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	e cau No No		
Definition:Indicate from the to the ofLowValue:HighValue:Parent Long Name:ParentShortName:ParentValue:Harvest Codes	e whether the patient has be his hospitalization. This inc operation. UsualRangeLow: UsualRangeHigh:	eludes all causes of ACCField: ReportField: ModelField: Format: DataLength:	death, Not m No No Text speci	including thos apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	e cau No No		
Definition:Indicate from the to the orLowValue:HighValue:Parent Long Name:ParentShortName:ParentValue:Harvest Codes	e whether the patient has be his hospitalization. This inc operation. UsualRangeLow: UsualRangeHigh: s: e: <u>Value:</u>	eludes all causes of ACCField: ReportField: ModelField: Format: DataLength:	death, Not m No No Text speci	including thos apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	e cau No No		

STS Adult Cardiac Dat	abase				Versic	n: 2.73
Long Name: Mort-I	DC Status				SeqNo:	6370
Short Name: MtDC	Stat				Core:	Yes
Section Name: Mortal	lity				Harvest:	Yes
DBTableName Adult	Data					
Definition: Indicate surgery of	whether the patient was alive occurred.	e or dead AT dis	charge from the l	nospitaliza	ation in which	
LowValue:	UsualRangeLow:	ACCField:	Mapped - Defin	ition and	coding	
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFFie	eld: Yes		
		ModelField:	No PQRIF	<i>ield:</i> No		
Parent Long Name:		Format:	Text (categoric specified by ST			
ParentShortName:		DataLength:				
ParentValue:		Data Source.	User			
Harvest Codes:						
Code:	Value:					
1	Alive					
2	Dead					
Long Name: Mort-3	30d Status				SeqNo:	6380
Short Name: Mt305	Stat				Core:	Yes
Section Name: Mortal	lity				Harvest:	Yes
DBTableName Adult	Data					
Definition: Indicate	whether the patient was alive	e or dead at 30 d	ays post surgery	(whether	in hospital or	not).
LowValue:	UsualRangeLow:	ACCField:	Not mapped			
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFFie	eld: Yes		
		ModelField:	No PQRIF	<i>ield:</i> No		
Parent Long Name:						
0		Format:	Text (categoric specified by ST			
ParentShortName:		Format: DataLength:	· · · ·			
C			specified by ST			
ParentShortName:		DataLength:	specified by ST			
ParentShortName: ParentValue: Harvest Codes:	Value:	DataLength:	specified by ST			
ParentShortName: ParentValue: Harvest Codes:		DataLength:	specified by ST			
ParentShortName: ParentValue: Harvest Codes: <u>Code:</u>	Value:	DataLength:	specified by ST			

STS Adult Card	liac Database			Versic	on: 2.73
Long Name:	Mort-Op Death-Method Of Veri	ification		SeqNo:	6381
Short Name:	Mt30StatMeth			Core:	Yes
Section Name:	Mortality			Harvest:	Yes
DBTableName	AdultData				
Definition: In	ndicate the primary method used t	to verify the patient	's 30-day mortality status.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
Parent Long N	lame:	Format:	Text (categorical values specified by STS)		
ParentShortNa	ime:	DataLength:			
ParentValue:		Data Source:	User		

Harvest Codes:

 Code:
 Value:

 1
 Phone call to patient or family

 2
 Letter from medical provider

 3
 Evidence of life in medical record (lab tests, cardiac rehab visits, etc.)

 4
 Office visit to surgeon more than 30 days after procedure

 5
 Social Security Death Master File

 6
 Other

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Mort-Op Death			SeqNo:	6390
Short Name: MtOpD			Core:	Yes
Section Name: Mortality			Harvest:	Yes
DBTableName AdultData				
<i>Definition:</i> Indicate whether the patient had an during the acute episode of care in transferred to other acute care faci discharge from the hospital, but w unrelated to the operation.	n which the operati lities), even if after	on was performed (the 30 days; and (2) the	his includes patients ose deaths occurring	after
LowValue: UsualRangeLow:	ACCField:	Not mapped		
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField:	Yes	
	ModelField:	No PQRIField	!: No	
Parent Long Name: Mort-Mortality	Format:	Text (categorical v specified by STS)	values	
ParentShortName: Mortalty	DataLength:			
<i>ParentValue:</i> = "Yes"	Data Source.	: User		
Harvest Codes:				
Code: Value:				
1 Yes				
2 No				
Long Name: Mort-Date			SeqNo:	6400
Short Name: MtDate			Core:	Yes
Section Name: Mortality			Harvest:	Yes
DBTableName AdultData				
DDTubicitume Huuibuu				
<i>Definition:</i> Indicate the date the patient was definition.	eclared dead.			
	eclared dead. ACCField:	Not mapped		
Definition: Indicate the date the patient was de		•••	Yes	
Definition:Indicate the date the patient was deLowValue:UsualRangeLow:	ACCField:	Yes NQFField:		
Definition:Indicate the date the patient was deLowValue:UsualRangeLow:	ACCField: ReportField:	Yes NQFField:	: No	
Definition:Indicate the date the patient was deLowValue:UsualRangeLow:HighValue:UsualRangeHigh:	ACCField: ReportField: ModelField:	Yes <i>NQFField</i> : No <i>PQRIField</i> Date mm/dd/yyyy	: No	

STS Adult Cardiac Database					Versio	n: 2.73
Long Name: Mort-Location				Se	qNo:	6410
Short Name: MtLocatn					Core:	Yes
Section Name: Mortality				Har	vest:	Yes
DBTableName AdultData						
Definition: Indicate the patient	s location at time of death.					
LowValue: UsualRa	ngeLow: ACCField:	Not m	apped			
HighValue: UsualRa	ngeHigh: ReportField	: No	NQFField: N	No		
	ModelField.	No	PQRIField: N	No		
Parent Long Name: Mort-Mort	ality Format:		(categorical valu fied by STS)	es		
ParentShortName: Mortalty	DataLength	÷				
<i>ParentValue:</i> = "Yes"	Data Source	e: User				
Harvest Codes:						
Code: Value:						
	g Room (OR) nitial Surgery					
2 Hospital Operatir	(Other Than g Room)					
3 Home						
7 Extende	l Care Facility					
8 Hospice						
9 Acute R	habilitation					
5 Operatir Reopera	g Room (OR) During ion					
6 Unknow	1					
10 Other						

STS Adult Cardiac Dat	tabase				Versio	on: 2.73
Long Name: Mort-	Prim Cause				SeqNo:	6420
Short Name: MtCa	use				Core:	Yes
Section Name: Mortal	lity				Harvest:	Yes
DBTableName Adult	Data					
<i>Definition:</i> Indicate to death.	the PRIMARY cause of death	n, i.e., the first s	ignifica	ant abnormal evo	ent which ultimat	ely led
LowValue:	UsualRangeLow:	ACCField:	Mapp	ed - Definition a	and coding	
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No	
		ModelField:	No	PQRIField:	No	
Parent Long Name:	Mort-Mortality	Format:		(categorical valu fied by STS)	ues	
ParentShortName: N	Iortalty	DataLength:				
ParentValue: =	"Yes"	Data Source:	User			
Harvest Codes:						
Code:	<u>Value:</u>					
1	Cardiac					
2	Neurologic					
3	Renal					
4	Vascular					
5	Infection					
6	Pulmonary					
7	Valvular					
700	Unknown					
777	Other					

STS Adult Cardiac Database	Version:	2.73
Long Name: ADP Inhibitors - Discharge	SeqNo:	6430
Short Name: DCADP	Core:	Yes
Section Name: Discharge	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate whether or not the patient	t was discharged from facility on ADP Inhibitors.	
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: Yes	
	ModelField: No PQRIField: No	
Parent Long Name: Mort-DC Status	Format: Text (categorical values specified by STS)	
ParentShortName: MtDCStat	DataLength:	
<i>ParentValue:</i> = "Alive"	Data Source: User	
Harvest Codes:		
<u>Code:</u> <u>Value:</u>		
$\frac{1}{1}$ Yes		
2 No		
Long Name: Antiarrhythmics - Discharge	SeqNo:	6440
Short Name: DCAArhy	Core:	Yes
Section Name: Discharge	Harvest:	Yes
DBTableName AdultData		
Definition: Indicate whether or not the patient	t was discharged from facility on antiarrhythmics.	
LowValue: UsualRangeLow:	ACCField: Not mapped	
HighValue: UsualRangeHigh:	ReportField: Yes NQFField: No	
	ModelField: No PQRIField: No	
Parent Long Name: Mort-DC Status	Format: Text (categorical values specified by STS)	
ParentShortName: MtDCStat	DataLength:	
<i>ParentValue:</i> = "Alive"	Data Source: User	
Harvest Codes:		
Code: Value:		
1 Yes		
2 No		

STS Adult Cardiac Database					Versi	on: 2.73
Long Name: Antiarrhythmics - Discharge - Med	dication Name				SeqNo:	6450
Short Name: DCAArMN					Core:	No
Section Name: Discharge					Harvest:	No
DBTableName AdultData						
<i>Definition:</i> Indicate the name of the antiarrhythm facility.	nic medication th	e patier	nt was on wher	n disch	narged from	the
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name: Antiarrhythmics - Discharge	Format:		(categorical va fied by STS)	lues		
ParentShortName: DCAArhy	DataLength:	·	•			
<i>ParentValue:</i> = "Yes"	Data Source:	User				
Harvest Codes:						
<u>Code:</u> <u>Value:</u>						
1 Amiodarone						
2 Other						
Long Name: Aspirin - Discharge					CN	6160
					SeqNo:	6460
Short Name: DCASA					Core:	Yes
					-	
Short Name: DCASA					Core:	Yes
Short Name: DCASA Section Name: Discharge	n must be docum			or if i	Core: Harvest: t was	Yes Yes
Short Name: DCASA Section Name: Discharge DBTableName AdultData Definition: Indicate whether or not the patient w contraindicated. The contraindication nurse practitioner, or physician assist	n must be docum	ented in	the medical re	or if i	Core: Harvest: t was	Yes Yes
Short Name: DCASA Section Name: Discharge DBTableName AdultData Definition: Indicate whether or not the patient w contraindicated. The contraindication nurse practitioner, or physician assist	n must be docume tant.	ented ir Not m	the medical re	or if i ecord ∣	Core: Harvest: t was	Yes Yes
Short Name:DCASASection Name:DischargeDBTableNameAdultDataDefinition:Indicate whether or not the patient w contraindicated. The contraindication nurse practitioner, or physician assistLowValue:UsualRangeLow:	n must be docume tant. ACCField:	ented in Not m Yes	a the medical re apped	or if i ecord i Yes	Core: Harvest: t was	Yes Yes
Short Name:DCASASection Name:DischargeDBTableNameAdultDataDefinition:Indicate whether or not the patient w contraindicated. The contraindication nurse practitioner, or physician assistLowValue:UsualRangeLow:	n must be docum tant. ACCField: ReportField:	ented ir Not m Yes No Text (	a the medical re apped NQFField:	or if i ecord Yes No	Core: Harvest: t was	Yes Yes
Short Name:       DCASA         Section Name:       Discharge         DBTableName       AdultData         Definition:       Indicate whether or not the patient w contraindicated. The contraindication nurse practitioner, or physician assist         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:	n must be docume tant. ACCField: ReportField: ModelField:	ented ir Not m Yes No Text (	a the medical re apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	or if i ecord Yes No	Core: Harvest: t was	Yes Yes
Short Name:       DCASA         Section Name:       Discharge         DBTableName       AdultData         Definition:       Indicate whether or not the patient we contraindicated. The contraindication nurse practitioner, or physician assisted         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Mort-DC Status	n must be docum tant. ACCField: ReportField: ModelField: Format:	Not m Yes No Text o specif	a the medical re apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	or if i ecord Yes No	Core: Harvest: t was	Yes Yes
Short Name:       DCASA         Section Name:       Discharge         DBTableName       AdultData         Definition:       Indicate whether or not the patient we contraindicated. The contraindication nurse practitioner, or physician assist         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Mort-DC Status         ParentShortName:       MtDCStat	n must be docum tant. ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text o specif	a the medical re apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	or if i ecord Yes No	Core: Harvest: t was	Yes Yes
Short Name:       DCASA         Section Name:       Discharge         DBTableName       AdultData         Definition:       Indicate whether or not the patient we contraindicated. The contraindication nurse practitioner, or physician assist         LowValue:       UsualRangeLow:         HighValue:       UsualRangeHigh:         Parent Long Name:       Mort-DC Status         ParentShortName:       MtDCStat         ParentValue:       = "Alive"	n must be docum tant. ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text o specif	a the medical re apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	or if i ecord Yes No	Core: Harvest: t was	Yes Yes
Short Name: DCASA Section Name: Discharge DBTableName AdultData Definition: Indicate whether or not the patient w contraindicated. The contraindication nurse practitioner, or physician assist LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Mort-DC Status ParentShortName: MtDCStat ParentValue: = "Alive" Harvest Codes:	n must be docum tant. ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text o specif	a the medical re apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	or if i ecord Yes No	Core: Harvest: t was	Yes Yes
Short Name: DCASA Section Name: Discharge DBTableName AdultData Definition: Indicate whether or not the patient w contraindicated. The contraindication nurse practitioner, or physician assist LowValue: UsualRangeLow: HighValue: UsualRangeHigh: Parent Long Name: Mort-DC Status ParentShortName: MtDCStat ParentValue: = "Alive" Harvest Codes: <u>Code: Value:</u>	n must be docum tant. ACCField: ReportField: ModelField: Format: DataLength:	Not m Yes No Text o specif	a the medical re apped <i>NQFField:</i> <i>PQRIField:</i> (categorical va	or if i ecord Yes No	Core: Harvest: t was	Yes Yes

STS Adult Cardiac Database		Version:	: 2.73
Long Name:	ACE or ARB Inhibitors - Discharge	SeqNo:	6470
Short Name:	DCACE	Core:	Yes
Section Name	: Discharge	Harvest:	Yes
DBTableNam	e AdultData		

*Definition:* Indicate whether or not the patient was discharged from facility on ACE or ARB Inhibitors, or if it was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Mort-DC Status	Format:	Text (categorical values specified by STS)
ParentShortName: M	MtDCStat	DataLength:	
ParentValue: =	= "Alive"	Data Source:	User

Harvest Codes:

Code:Value:1Yes4No, contraindicated5No, not indicated

Long Name:	Beta Blockers - Discharge	SeqNo:	6480
Short Name:	DCBeta	Core:	Yes
Section Name:	Discharge	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate whether or not the patient was discharged on beta blockers, or if beta blocker was contraindicated or not indicated. The contraindication must be documented in the medical record by a physician, nurse practitioner, or physician assistant.

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	Yes
		ModelField:	No	PQRIField:	No
Parent Long Name:	Mort-DC Status	Format:		categorical va ied by STS)	lues
ParentShortName:	MtDCStat	DataLength:			
ParentValue:	= "Alive"	Data Source:	User		
Harvest Code	s:				
Cod	e: <u>Value:</u>				
	1 Yes				

2 No

3 Contraindicated

Long Name:	Lipid Lowering - Discharge					SeqNo:	6490
Short Name:	DCLipid					Core:	Ye
Section Name.	Discharge					Harvest:	Ye
DBTableNam	e AdultData						
, V	ndicate whether or not the patient w was contraindicated or not indicated. ecord by a physician, nurse practitio	The contraindic	ation m	ist be docume			
LowValue:	UsualRangeLow:	ACCField:	Not ma	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	Yes		
		ModelField:	No	PQRIField:	No		
Parent Long N	<i>Jame:</i> Mort-DC Status	Format:		categorical va ied by STS)	lues		
ParentShortN	ame: MtDCStat	DataLength:					
ParentValue:	= "Alive"	Data Source:	User				
Harvest	t Codes:						
	Code: Value:						
	1 Yes						
	2 No						
	3 Contraindicated						
I	Lisid Laurence Discharge Mar	liastian Tama				S M	(50)
Long Name: Short Name:	Lipid Lowering - Discharge - Med DCLipMT	lication Type				SeqNo: Core:	6500 Yes
Section Name.	-					Harvest:	Yes
DBTableNam	-						
	ndicate the type of Lipid Lowering	medication the pa	atient wa	as on when dis	schar	ged from the	facility
LowValue:	UsualRangeLow:	-			·	0	
	UsualRangeHigh:	ReportField:		NQFField:	No		
HighValue:				~			
HighValue:	o suun angoingin.	ModelField:	No	PQRIField:	No		
-	Name: Lipid Lowering - Discharge	-	Text (	<i>PQRIField:</i> categorical va ied by STS)			
Parent Long N		ModelField:	Text (	categorical va			
Parent Long N ParentShortN	Name: Lipid Lowering - Discharge	ModelField: Format:	Text ( specif	categorical va			
Parent Long N ParentShortN ParentValue:	<i>Jame:</i> Lipid Lowering - Discharge	ModelField: Format: DataLength:	Text ( specif	categorical va			
Parent Long N ParentShortN ParentValue:	Name: Lipid Lowering - Discharge ame: DCLipid = "Yes"	ModelField: Format: DataLength:	Text ( specif	categorical va			
Parent Long N ParentShortN ParentValue:	Name: Lipid Lowering - Discharge ame: DCLipid = "Yes"	ModelField: Format: DataLength:	Text ( specif	categorical va			

3 Both

4 Other

Long Name: Co	oumadin - Discharge			SeqNo:	6510
Short Name: DO	CCoum			Core:	Yes
Section Name: Dis	scharge			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	cate whether the patient was di	scharged from the	facility on Coumadin.		
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	Yes NQFField: No		
		ModelField:	No PQRIField: No		
Parent Long Name	e: Mort-DC Status	Format:	Text (categorical values specified by STS)		
ParentShortName:	: MtDCStat	DataLength:			
ParentValue:	= "Alive"	Data Source:	User		
Harvest Coo	des:				
<u>C</u>	ode: Value:				
	1 Yes				
	2 No				
Long Name: Di	rect Thrombin Inhibitors - Dis	scharge		SeqNo:	6511
Short Name: DO	CDirThromIn			Core:	Yes
Section Name: Dis	scharge			Harvest:	Yes
DBTableName A	dultData				
Definition: Indic	cate whether the patient was di	scharged from the	facility on a direct thromb	in inhibitor.	
LowValue:	UsualRangeLow:	ACCField:	Not mapped		
HighValue:	UsualRangeHigh:	ReportField:	NQFField:		
		ModelField:	PQRIField:		
			Text (categorical values		
Parent Long Name	e: Mort-DC Status	Format:	specified by STS)		
Parent Long Name ParentShortName:		Format: DataLength:			
-			specified by STS)		
ParentShortName.	: MtDCStat = "Alive"	DataLength:	specified by STS)		
ParentShortName. ParentValue: Harvest Coo	: MtDCStat = "Alive"	DataLength:	specified by STS)		
ParentShortName. ParentValue: Harvest Coo	: MtDCStat = "Alive" des:	DataLength:	specified by STS)		

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Discharge Location			SeqNo:	6520
Short Name: DisLoctn			Core:	Yes
Section Name: Discharge			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the location to where the pat	tient was dischar	ged.		
LowValue: UsualRangeLow:	ACCField:	Mapped - Definition an	d coding	
HighValue: UsualRangeHigh:	ReportField:	Yes NQFField: N	0	
	ModelField:	No PQRIField: N	0	
Parent Long Name: Mort-DC Status	Format:	Text (categorical value specified by STS)	S	
ParentShortName: MtDCStat	DataLength:			
<i>ParentValue:</i> = "Alive"	Data Source	User		
Harvest Codes:				
Code: Value:				
1 Home				
2 Extended Care/Transitiona Care Unit/Rehab	al			
3 Other Hospital				
4 Nursing Home				
5 Hospice				
777 Other				

STS Adult Cardiac	Database					Versio	on: 2.73
Long Name: Ca	rdiac Rehabilitation Referral					SeqNo:	653
Short Name: Ca	rdRef					Core:	Ye
Section Name: Dis	scharge					Harvest:	Ye
DBTableName A	dultData						
other	ate whether advice was given or personnel) regarding the impor intment made.			-			rse, or
LowValue:	UsualRangeLow:	ACCField:	Mappe	ed - Definition	and	coding	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	e: Mort-DC Status	Format:		(categorical va fied by STS)	lues		
ParentShortName:	MtDCStat	DataLength:					
ParentValue:	= "Alive"	Data Source:	User				
Harvest Coo	les:						
	ode: Value:						
	1 Yes						
	2 No						
	3 Not Applicable						
Long Name: Sn	noking Cessation Counseling					SeqNo:	6540
0	nokCoun					Core:	Yes
Section Name: Dis						Harvest:	Ye
DBTableName A	-					1100 / 0500	10
cessa	ate whether, prior to discharge f tion counseling. Please select " ing or remote (more than 1 year	Not Applicable"					of
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	e: Mort-DC Status	Format:		(categorical va fied by STS)	lues		
ParentShortName:	MtDCStat	DataLength:					
ParentValue:	= "Alive"	Data Source:	User				
Harvest Coo	les:						
	ode: Value:						
	1 Yes						
	2 No						

3 Not Applicable

Long Name:	Readmit <= 30 Days from DOP				Se	eqNo:	6550
Short Name:	Readm30					Core:	Yes
Section Name	e: Readmission				Har	vest:	Yes
DBTableNam	e AdultData						
<i>Definition:</i> Indicate whether the patient was readmitted to an acute care facility as an in-patient within 30 days from the date of initial surgery for ANY reason. This includes readmissions to acute care, primary care institutions only. Do not include readmissions to rehabilitation hospital, or nursing home.							
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	Yes	NOFField:	No		

LowValue:	UsualRangeLow:	ACCField:	Not ma	pped	
HighValue:	UsualRangeHigh:	ReportField:	Yes	NQFField:	No
		ModelField:	No	PQRIField:	No
Parent Long Name:	Mort-DC Status	Format:		categorical va ed by STS)	lues
ParentShortName:	MtDCStat	DataLength:			
ParentValue:	= "Alive"	Data Source:	User		

Harvest Codes:

Code:	Value:
1	Yes
2	No

Long Name:	Readmit Reason	SeqNo:	6560
Short Name:	ReadmRsn	Core:	Yes
Section Name:	Readmission	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the primary reason that the patient was readmitted as an in-patient within 30 days from the date of initial surgery.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Readmit <=30 Days from DOP	Format:	Text (categorical values specified by STS)
ParentShortName:	Readm30	DataLength:	
ParentValue:	= "Yes"	Data Source:	User
Harvest Code	es:		
G	1 77 1		

Code: Value:

20 Anticoagulation Complication - Valvular

- 21 Anticoagulation Complication -Pharmacological
- 2 Arrhythmia/Heart Block
- 3 Congestive Heart Failure
- 5 Myocardial Infarction and/or Recurrent Angina
- 6 Pericardial Effusion and/or Tamponade
- 7 Pneumonia or other Respiratory Complication
- 22 Coronary Artery Dysfunction
- 8 Valve Dysfunction
- 9 Infection Deep Sternum / Mediastinitis
- 23 Infection Conduit Harvest Site
- 14 Renal Failure
- 15 TIA
- 18 Permanent CVA
- 19 Acute Vascular Complication
- 24 Subacute Endocarditis
- 25 VAD Complication
- 26 Transplant Rejection
- 28 PE
- 27 DVT
- 998 Other Related Readmission
- 999 Other Nonrelated Readmission

STS Adult Car	diac Database	Version	: 2.73
Long Name:	Readmit Reason - Primary Procedure	SeqNo:	6570
Short Name:	ReadmPro	Core:	Yes
Section Name.	Readmission	Harvest:	Yes

DBTableName AdultData

*Definition:* Indicate the primary procedure that the patient received after being readmitted as an in-patient within 30 days from the date of initial surgery.

LowValue:	UsualRangeLow:	ACCField:	Not mapped
HighValue:	UsualRangeHigh:	ReportField:	No NQFField: No
		ModelField:	No PQRIField: No
Parent Long Name:	Readmit <=30 Days from DOP	Format:	Text (categorical values specified by STS)
ParentShortName:	Readm30	DataLength:	
ParentValue:	= "Yes"	Data Source:	User

## Harvest Codes:

Code: Value:

- 10 OR for Bleeding
- 20 Pacemaker insertion/AICD
- 30 PCI
- 40 Pericardiotomy/Pericardiocent esis
- 50 OR for Coronary Arteries
- 60 OR for Valve
- 70 OR for Sternal Debridement/Muscle Flap
- 80 Dialysis
- 90 OR for Vascular
- 700 No Procedure Performed
- 710 Other Procedure
- 720 Unknown

STS Adult Cardiac Database					Versio	on: 2.73
Long Name: Risk Model Coefficients Version	on Number				SeqNo:	6580
Short Name: PredCoefVrsn					Core:	No
Section Name: Risk Scores					Harvest:	No
DBTableName AdultData						
Definition: The version number of the set of or this record. The value is inserted version numbers will be specified	into the record at the					
LowValue: UsualRangeLow:	ACCField:	Not m	apped			
HighValue: UsualRangeHigh:	ReportField:	No	NQFField:	No		
	ModelField:	No	PQRIField:	No		
Parent Long Name:	Format:	Text				
ParentShortName:	DataLength:					
ParentValue:	Data Source:	Autor	matic			
Long Name: Predicted Risk of Mortality	Data Source:	Auto	natic		SeqNo:	
Long Name: Predicted Risk of Mortality Short Name: PredMort	Data Source:	Autor	natic		Core:	Yes
Long Name:Predicted Risk of MortalityShort Name:PredMortSection Name:Risk Scores	Data Source:	Autor	natic		•	Yes
Long Name: Predicted Risk of Mortality Short Name: PredMort		Autor	natic		Core:	Yes
Long Name: Predicted Risk of Mortality Short Name: <b>PredMort</b> Section Name: Risk Scores DBTableName AdultData Definition: Indicate the Predicted Risk of Mo	rtality.				Core:	6590 Yes Yes
Long Name: Predicted Risk of Mortality Short Name: <b>PredMort</b> Section Name: Risk Scores DBTableName AdultData Definition: Indicate the Predicted Risk of Mo LowValue: 0.000 UsualRangeLow:	rtality. ACCField:	Not m	apped	No	Core:	Yes
Long Name: Predicted Risk of Mortality Short Name: <b>PredMort</b> Section Name: Risk Scores DBTableName AdultData Definition: Indicate the Predicted Risk of Mo	rtality.	Not m Yes			Core:	Yes
Long Name: Predicted Risk of Mortality Short Name: <b>PredMort</b> Section Name: Risk Scores DBTableName AdultData Definition: Indicate the Predicted Risk of Mo LowValue: 0.000 UsualRangeLow:	rtality. ACCField: ReportField:	Not m Yes No Real	apped NQFField:	No	Core: Harvest:	Yes
Long Name: Predicted Risk of Mortality Short Name: <b>PredMort</b> Section Name: Risk Scores DBTableName AdultData Definition: Indicate the Predicted Risk of Mo LowValue: 0.000 UsualRangeLow: HighValue: 100.000 UsualRangeHigh:	rtality. ACCField: ReportField: ModelField:	Not m Yes No Real	apped NQFField: PQRIField: number, at leas	No	Core: Harvest:	Yes

STS Adult Cardiac Database			Versio	on: 2.73
Long Name: Predicted Deep Sternal Wound Inf	x		SeqNo:	6600
Short Name: PredDeep			Core:	Yes
Section Name: Risk Scores			Harvest:	Yes
DBTableName AdultData				
Definition: Indicate the Predicted Risk of Deep S	ternal Wound II	nfection.		
LowValue: 0.000 UsualRangeLow:	ACCField:	Not mapped		
HighValue: 100.000 UsualRangeHigh:	ReportField:	Yes NQFField: N	No	
	ModelField:	No PQRIField: N	No	
Parent Long Name:	Format:	Real number, at least (3 decimal places	0.3 digits	
ParentShortName:	DataLength:			
ParentValue:	Data Source.	· Calculated		
Turchivanc.				
			SeqNo:	6610
Long Name: Predicted Reoperation Short Name: PredReop			SeqNo: Core:	6610 Yes
Long Name: Predicted Reoperation			-	
Long Name:       Predicted Reoperation         Short Name:       PredReop			Core:	Yes
Long Name:Predicted ReoperationShort Name: <b>PredReop</b> Section Name:Risk Scores			Core:	Yes
Long Name:Predicted ReoperationShort Name: <b>PredReop</b> Section Name:Risk ScoresDBTableNameAdultData		Not mapped	Core:	Yes
Long Name:Predicted ReoperationShort Name: <b>PredReop</b> Section Name:Risk ScoresDBTableNameAdultDataDefinition:Indicate the Predicted Risk of Reoper	ation.	Not mapped	Core: Harvest:	Yes
Long Name:Predicted ReoperationShort Name: <b>PredReop</b> Section Name:Risk ScoresDBTableNameAdultDataDefinition:Indicate the Predicted Risk of ReoperLowValue:0.000UsualRangeLow:	ation. ACCField:	Not mapped Yes <i>NQFField:</i> N	Core: Harvest: No	Yes
Long Name:Predicted ReoperationShort Name: <b>PredReop</b> Section Name:Risk ScoresDBTableNameAdultDataDefinition:Indicate the Predicted Risk of ReoperLowValue:0.000UsualRangeLow:	ation. ACCField: ReportField:	Not mapped Yes <i>NQFField:</i> N	Core: Harvest: No	Yes
Long Name:Predicted ReoperationShort Name:PredReopSection Name:Risk ScoresDBTableNameAdultDataDefinition:Indicate the Predicted Risk of ReoperLowValue:0.000UsualRangeLow:HighValue:100.000UsualRangeHigh:	ation. ACCField: ReportField: ModelField:	Not mapped Yes <i>NQFField:</i> N No <i>PQRIField:</i> N Real number, at least	Core: Harvest: No	Yes

STS Adult Cardiac Database		Version: 2.73
Long Name: Predicted Permanent Stroke		<i>SeqNo:</i> 662
Short Name: PredStro		<i>Core:</i> Ye
Section Name: Risk Scores		Harvest: Ye
DBTableName AdultData		
Definition: Indicate the Predicted Risk of Perman	ent Stroke.	
LowValue: 0.000 UsualRangeLow:	ACCField:	Not mapped
HighValue: 100.000 UsualRangeHigh:	ReportField:	Yes NQFField: No
	ModelField:	No PQRIField: No
Parent Long Name:	Format:	Real number, at least 0.3 digits (3 decimal places
ParentShortName:	DataLength:	
ParentValue:	Data Source.	Calculated
Long Name: Predicted Prolonged Ventilation		SeqNo: 663
Short Name: PredVent		<i>Core:</i> Ye
Section Name: Risk Scores		Harvest: Ye
DBTableName AdultData		
Definition: Indicate the Predicted Risk of Prolong	ged Ventilation.	
LowValue: 0.000 UsualRangeLow:	ACCField:	Not mapped
HighValue: 100.000 UsualRangeHigh:	ReportField:	Yes NQFField: No
	ModelField:	No PQRIField: No
Parent Long Name:	Format:	Real number, at least 0.3 digits (3 decimal places
ParentShortName:	DataLength:	
ParentValue:	Data Source.	Calculated

STS Adult Cardiac Database		Version: 2.73
Long Name: Predicted Renal Failure		<i>SeqNo:</i> 6640
Short Name: PredRenF		Core: Yes
Section Name: Risk Scores		Harvest: Yes
DBTableName AdultData		
Definition: Indicate the Predicted Risk of Renal H	Failure.	
LowValue: 0.000 UsualRangeLow:	ACCField:	Not mapped
HighValue: 100.000 UsualRangeHigh:	ReportField:	Yes NQFField: No
	ModelField:	No PQRIField: No
Parent Long Name:	Format:	Real number, at least 0.3 digits (3 decimal places
ParentShortName:	DataLength:	
ParentValue:	Data Source:	Calculated
<i>Long Name:</i> Predicted Morbidity or Mortality		SeqNo: 6650
Short Name: PredMM		Core: Yes
Section Name: Risk Scores		Harvest: Yes
DBTableName AdultData		
Definition: Indicate the Predicted Risk of Morbid	lity or Mortality	
LowValue: 0.000 UsualRangeLow:	ACCField:	Not mapped
		N NOFF II N
HighValue: 100.000 UsualRangeHigh:	ReportField:	Yes NQFField: No
HighValue: 100.000 UsualRangeHigh:	ReportField: ModelField:	~
HighValue: 100.000 UsualRangeHigh: Parent Long Name:	*	~
	ModelField:	No <i>PQRIField:</i> No Real number, at least 0.3 digits (3 decimal places

STS Adult Cardiac Database		Version: 2.73
Long Name: Predicted Short Length of Stay		<i>SeqNo:</i> 6660
Short Name: Pred6D		Core: Yes
Section Name: Risk Scores		Harvest: Yes
DBTableName AdultData		
Definition: Indicate the Predicted Risk of Short I	Length of Stay.	
LowValue: 0.000 UsualRangeLow:	ACCField:	Not mapped
HighValue: 100.000 UsualRangeHigh:	ReportField:	Yes NQFField: No
	ModelField:	No PQRIField: No
Parent Long Name:	Format:	Real number, at least 0.3 digits (3 decimal places
ParentShortName:	DataLength:	
ParentValue:	Data Source.	Calculated
Long Name: Predicted Long Length of Stay		<i>SeqNo:</i> 6670
Short Name: Pred14D		<i>Core:</i> Yes
Section Name: Risk Scores		Harvest: Yes
DBTableName AdultData		
Definition: Indicate the Predicted Risk of Long I	Length of Stay.	
LowValue: 0.000 UsualRangeLow:	ACCField:	Not mapped
LowValue: 0.000 UsualRangeLow: HighValue: 100.000 UsualRangeHigh:	ACCField: ReportField:	**
0		Yes NQFField: No
0	ReportField:	Yes NQFField: No
HighValue: 100.000 UsualRangeHigh:	ReportField: ModelField:	Yes <i>NQFField:</i> No No <i>PQRIField:</i> No Real number, at least 0.3 digits (3 decimal places

STS Adult Cardiac	Database					Versio	n: 2.73
Long Name: ST	S Custom Numeric Field 1					SeqNo:	668(
Short Name: ST	SCustNum1					Core:	Yes
Section Name: ST	S Custom Fields					Harvest:	Ye
DBTableName Ac	lultData						
be co	field will be used to store value llected before a data specificati s field except as explicitly state	ion upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	:	Format:	Real				
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
0	S Custom Numeric Field 2 SCustNum2 S Custom Fields					SeqNo: Core: Harvest:	6690 Ye: Ye:
DBTableName Ac	lultData						
<i>Definition:</i> This be co	field will be used to store value llected before a data specificati s field except as explicitly state	ion upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	:	Format:	Real				
ParentShortName:		DataLength:					

Long Name: ST	'S Custom Numeric Field 3					SeqNo:	6700
0	SCustNum3					Core:	Yes
Section Name: ST	'S Custom Fields				Н	arvest:	Yes
DBTableName A	dultData						
be co	field will be used to store value ellected before a data specifications is field except as explicitly state	ion upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	2:	Format:	Real				
ParentShortName.		DataLength:					
ParentValue:		Data Source:	User				
0	'S Custom Numeric Field 4 <b>'SCustNum4</b> 'S Custom Fields					SeqNo: Core: arvest:	6710 Yes Yes
DBTableName A	dultData						
be co	field will be used to store value ellected before a data specification s field except as explicitly state	ion upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not m	apped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name	2:	Format:	Real				
ParentShortName.	•	DataLength:					
ParentValue:		Data Source:	TT				

STS Adult Cardiac Database						Versio	on: 2.73
Long Name: STS Custom Numeric	Field 5					SeqNo:	6720
Short Name: STSCustNum5						Core:	Yes
Section Name: STS Custom Fields						Harvest:	Yes
DBTableName AdultData							
Definition: This field will be used to be collected before a dat in this field except as ex	ta specification u	ıpgrade can b					
LowValue: UsualRangeL	.ow:	ACCField:	Not ma	apped			
HighValue: UsualRangeH	ligh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:	Real				
ParentShortName:		DataLength:					
ParentValue:		Data Source:	User				
Long Name: STS Custom Text Fie	ld 1					SeqNo:	6730
Short Name: STSCustTxt1						Core:	Ye
Section Name: STS Custom Fields						Harvest:	Ye
DBTableName AdultData							
Definition: This field will be used to be collected before a dat in this field except as ex	ta specification u	ıpgrade can b					
LowValue: UsualRangeL	ow:	ACCField:	Not ma	apped			
HighValue: UsualRangeH	ligh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	Yes		
Parent Long Name:		Format:	Text l	ength 100			
ParentShortName:		DataLength:					
		Data Source:					

STS Adult Cardia	c Database					Versio	n: 2.73
Long Name: S	TS Custom Text Field 2					SeqNo:	6740
Short Name: S	TSCustTxt2					Core:	Yes
Section Name: S	<b>FS</b> Custom Fields					Harvest:	Yes
DBTableName A	AdultData						
be c	field will be used to store val- ollected before a data specifica is field except as explicitly sta	ation upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not n	napped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Nan	ne:	Format:	Text	length 100			
ParentShortName	2:	DataLength:					
ParentValue:		Data Source:	User				
0	TS Custom Text Field 3 TSCustTxt3					SeqNo: Core:	6750 Yes
Section Name: S	TS Custom Fields					Harvest:	Yes
DBTableName A	AdultData						
be c	s field will be used to store val- ollected before a data specifica- his field except as explicitly sta	ation upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not n	napped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Nan	ne:	Format:	Text	length 100			
ParentShortName	2:	DataLength:					
ParentValue:		Data Source:	Lloor				

STS Adult Cardiac Database					Vers	Version: 2.73	
Long Name:	STS Custom Text Field 4				SeqNo:	6760	
Short Name:	STSCustTxt4				Core:	Yes	
Section Name: STS Custom Fields					Harvest:	Yes	
DBTableName AdultData							
be	is field will be used to store valu collected before a data specifica this field except as explicitly sta	ation upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not mapped				
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:	Text	length 100			
ParentShortName: ParentValue:		DataLength: Data Source: User					
							Long Name:
Short Name:				Core:	Yes		
Section Name:				Harvest:	Yes		
DBTableName	AdultData						
be	is field will be used to store valu collected before a data specifica this field except as explicitly sta	ation upgrade can b					
LowValue:	UsualRangeLow:	ACCField:	Not n	napped			
HighValue:	UsualRangeHigh:	ReportField:	No	NQFField:	No		
		ModelField:	No	PQRIField:	No		
Parent Long Name:		Format:	Text	length 100			
ParentShortName:		DataLength:					